# 產值熒動生產力鸾勢分析報告 THE TRENDS IN LABOR PRODUCTIVITY， 2016 

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## 前

言
PREFACE

## 前 言

「生產力」觀念係由 18 世紀經濟學者奎內（F．Quesnay）所提出，在二次大戰後才普遍受到重視。當年在美國推動下的馬歇爾計劃，實際上就是如何提高生產力的計劃，透過此一計劃使得西歐在短短數年間，便從戰爭的廢噳中重建起來可見生產力提高的重要性。

「生產力」在經濟學的概念為產出與投入的比率；而生產力的提高，即意謂以相同的投入生產較多的產出，或同樣的產出使用較少的投入。不過，提高生產力的真諦，並非完全在於減少投入，相反的，應該是在於增加產出，或提高產出之品質，以創造就業機會，增進社會福利及提升全民福祉。

我國自民國 44 年推行生產力運動以來，由於政府與民間的共同努力，雖在地狹人稠，資源貧乏的限制下，仍能積極促進企業生產力之提高，使得商品生產成本降低，就業市場活絡，出口能力增強，工商企業乃蓬勃發展，創造了舉世欽羡的經濟奇蹟，而躋身為新興工業化國家之林。

展望未來對外貿易仍為我國經濟發展之命脈，而面臨國際間日益劇烈的挑戰，充分且有效地運用各項有限資源，乃為致勝關鍵之所繫，換言之，惟有不斷加速生產力的提升，方能於現今國際競賽中脱穎而出。

生產力的重要性已廣為大眾所接納，惟生產力有否提升，則必需經由生產力統計指標的測定方能確認，而這正是為一般人所忽略。本總處有鑑於此，自民國61年7月起採用「工業生產指數除以受僱者投入工時指數」的方法，按月編製製造業及水電燃氣業的勞動生產力指數，以供政府制訂勞工，產業政策，學術界從事學術研究，產業界從事決策運用之參考，然因限於產出資料的取得，故涵蓋業別範圍未盡周延，致陳示全國總勞動生產力及產業間勞動生產力之差異性，則付之關如，為改進此一缺憾，本總處特從 75 年起採用國內生產毛額 （GDP）與就業者投入工時配合的觀念，編製全國各產業之產值勞動生產力，其較原方法改進之處如下：

1．行業範圍較為周延，亦即涵蓋全國 16 大行業。
2．投入範圍擴大至全體就業者，而不僅止於受僱者。

3．由於附加價值率的變動，使得產出的衡量較為正確。
其目的在於正確反映我國勞動生產力之變動趨勢，指出未來資源流向及利用方式，惟受到時間與人力所限，報告中若有疏漏之處，尚祈各界多予指正，以使本報告更榛完美。

## Preface

The concept of "productivity" was first put forth by F. Quesnay, an 18th century economist, but it had not received widespread attention until the World War II ended. In fact, the Marshall Plan launched by the United States at that time was a program designed to raise productivity. The plan which helped rebuild the Western Europe on the war-torn ruins in just a few years has demonstrated the importance of raising productivity.

Economically, "productivity" is a ration between output and input. Producing can do raising productivity more output without increasing input or by cutting input without reducing output. In reality, raising productivity should not lie in cutting input. Instead, it should rest on increasing output or upgrading quality in order to create employment opportunity and enhance social welfare and well-being of the people.

Since the first campaign to enhance productivity in this country was launched in 1955. Due to the government and the private sector have closely worked together, as a result, despite heavy population living on a piece of very limited land and despite scarcity of resources, the program has made a great contribution to improvement of productivity, lowering production cost, activating reemployment market, sharpening this country's competitive edge in the export market, and leading to quick industrial and commercial development. This program, among other things, has created an economic miracle renowned in the world and sent this country to become one of the newly industrialized nations.

The prospect for the future is that external trade will remain to be a backbone to this country's economic development. As a challenge facing this country arising from competition in international market is getting stronger, how to maximize utilization of resources is a key point for the future efforts to score victory in the contest. In other words, the only way to lead an international race in the modern times is to constantly raise productivity without interruption.

The importance of productivity has already been widely recognized. To determine whether the productivity is lifted or not should rely on a statistical indicator to measure it, but the measurement and the indicator have very often been neglected. In view of this point, the Directorate-general of Budget, Accounting and Statistics
(DGBAS) began to prepare labor productivity indices for Manufacturing and Electricity, gas \& water industries in July of 1972. The productivity was calculated by "dividing input of total work hours into industrial production index." The productivity indices have been used as a reference by government in its manipulating labor and industrial policies, by academic circles in their research and study, and by businessmen in their management. As the availability of output data is limited, the productivity indices did not cover all industries, resulting in lack of labor productivity indicators for the entire economy and for all individual industries. Comparison of labor productivity between industries was impossible. To correct the shortcoming, the DGBAS adopted a new concept to calculate the labor productivity statistics in 1986. Specifically, gross domestic product (GDP), instead of industrial production index, is compared with input of work hours. The new method has three advantages over the old one; they are as follows:

1. Scope is expanded. Now all of the 16 major industries in this country are included.
2. Coverage of input is broadened to include the entire employment, instead of just employed workers.
3. With the rate of change in value-added increment being available, output can be more correctly measured.

The change in calculation method is primarily designed to reflect the accurate trend of labor productivity over a series of time in order to indicate flow and utilization of resources and to project the trend to go in the future. However, due to limitation in time and manpower available, there may be mistakes and omissions overseen and thus contained in this report. We would appreciate your correction and advice in a hope to make the report become better in the future.

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## 提 要 分 析

對國內產業發展而言，提升勞動生產力不僅可促進經濟持續成長，並有助於穩定物價，降低生產成本，以及提升薪資水準。鑒於產業在經營及生產活動過程中，最主要之投入要素為勞動與資本二項，因此研究國内產業之勞動生產力變動趨勢，可了解產出與勞動投入之間的消長關係，亦有助於剖析勞動生產力受資本密集度與技術進步率之影響。

有關產業勞動生產力之研析，係衡量每單位勞動投入所獲得之產出，通常以 （總產出／總勞動投入）表示，可作為各產業勞動投入使用效率，以及潛在經濟生產量之指標，其中總產出以「實質國內生產毛額」谏衡量，即以產值概念來計算，總營動投入則以「就業投入總工時」衡量。

此外，研究產業之單位產出勞動成本，係衡量每單位生產所付出之勞動成本，通常以（總勞動成本／總產出）表示，可視為產業投入成本競爭力之指標，其中總勞動成本以「就業者總薪資」衡量，總產出亦採「實質國內生產毛額」。

為觀察國內產業之勞動生產力與單位產出勞動成本變動趨勢，兹根掾前述説明，將二者之涵義以公式表示如下：
（1）產值勞動生產力（以下簡䉿勞動生產力）$=$ 實質國内生產毛額／就業投入總工時
（2）單位產出勞動成本 $=$ 就業者總薪資／實質國內生產毛額
由（1）與（2）之關係導出
（3）單位產出勞動成本＝（就業者總薪資／就業投入總工時）
（實質國內生產毛額／就業投入總工時）
$=$ 平均每工時薪資／勞動生產力
對產業經營而言，單位產出勞動成本變動情形係觀察產業競爭力之重要指標，故由（3）即可顯示，欲降低勞動成本以提升產業競爭力，主要須藉由提高勞動生產力以達成目標。

[^0]
## 全體產業

台灣屬於小型開放經濟體，與國外需求連動性高，105年上半年全球景氣成長滞緩，影響我國對外貿易表現，所幸電子零組件在下半年強勁反彈，帶動出口升溫，但仍較上（104）年衰退 $1.76 \%$ ，國內則隨著景氣回溫及政府推出各項提振措施，初步統計全年經濟成長 $1.50 \%$ ，較上年提升 0.78 個百分點。

105 年國內全體產業實質生產毛額較上年成長 $1.53 \%$ ，而就業投入總工時受每週正常工作時數不得超過 40 小時之政策實施影響，較上年減少 $2.53 \%$ ，致勞動生產力較上年上升 $4.15 \%$ 。

單位產出勞動成本方面，因平均每工時薪資較上年上升 $3.80 \%$ ，低於勞動生產力增幅 $4.15 \%$ ，致全體產業單位產出勞動成本較上年下降 $0.35 \%$ 。

## （一）農林漁牧業

105 年我國農漁產品受年初寒害及颱風接連來襲等天候異常因素影響，部分農作物及養殖水產收穫量減少，致全年農林漁牧業實質 GDP 衰退 $6.90 \%$ ，高於就業投入總工時減幅 $2.05 \%$ ，致勞動生產力較上年下降 $4.97 \%$ 。若以單位產出勞動成本觀之，受全年平均每工時薪資上升 $2.73 \%$ ，及勞動生產力下降 $4.97 \%$ 雙重影響，較上年上升 $8.09 \%$ 。

## （二）工業

105 年我國工業生產動能在國內半導體業者持續擴充先進製程與行動裝置推陳出新，智慧科技產品應用擴張之推升下，全年工業部門實質 GDP 成長 $2.04 \%$ ，而就業投入總工時減少 $3.44 \%$ ，致勞動生產力較上年上升 $5.68 \%$ 。另因平均每工時薪資成長 $4.28 \%$ ，低於勞動生產力增幅 $5.68 \%$ ，致單位產出勞動成本較上年下降 1．32\％。

就各大行業勞動生產力觀察，除礦業及土石採取業因需求減少且土石價量齊跌，致實質 GDP 負成長 $9.73 \%$ ，而就業投入總工時減少 $6.08 \%$ ，致勞動生產力下降 $3.89 \%$ 外，其餘各大業均呈上升，其中製造業因半導體需求強勁擴張，國際品牌陸續推出行動裝置，及車用電子，物聯網及高效能運算等新興應用需求擴增，致實質 GDP 成長 $2.27 \%$ ，而就業投入總工時減少 $3.61 \%$ ，致勞動生產力上升 $6.11 \%$居首；另電力及燃氣供應業隨生產活動轉佳及平均氣溫上升，售電量年成長 2.9 $\%$ ，加以國際原油價格下跌，減輕燃料成本，致實質 GDP 成長 $5.45 \%$ ，而就業投入總工時減少 $0.63 \%$ ，致勞動生產力上升 $6.10 \%$ 居次；用水供應及污染整治業因

實質 GDP 成長 $1.98 \%$ ，而就業投入總工時減少 $3.58 \%$ ，致勞動生產力上升 $5.78 \%$ ；營造業受房市平疲及雨量偏多影響，生產活動減緩，實質 GDP 負成長 $2.84 \%$ ，略低於就業投入總工時減幅 $2.90 \%$ ，致勞動生產力微升 $0.07 \%$ 。

就單位產出勞動成本觀察，除礦業及土石採取業因勞動生產力下降 $3.89 \%$ ，而平均每工時薪資成長 $0.74 \%$ ，致單位產出勞動成本上升 $4.82 \%$ ，以及營造業因平均每工時薪資成長 $2.24 \%$ ，高於勞動生產力增幅 $0.07 \%$ ，致單位產出勞動成本上升 $2.17 \%$ 外，其餘各業均較上年下降，其中電力及燃氣供應業因勞動生產力較上年上升 $6.10 \%$ ，而平均每工時薪資減少 $0.18 \%$ ，致單位產出勞動成本較上年下降 $5.93 \%$ 最為顯著；用水供應及污染整治業因平均每工時薪資成長 $0.72 \%$ ，低於勞動生產力增幅 $5.78 \%$ ，致單位產出勞動成本較上年下降 $4.77 \%$ 次之；製造業因平均每工時薪資成長 $5.00 \%$ ，低於勞動生產力增幅 $6.11 \%$ ，致單位產出勞動成本較上年下降 $1.04 \%$ 。

## （三）服務業

105 年綜合商品零售業營業額成長，加上政府減徴車輛貨物税，舊換新補貼政策等各項提振措施及進口新車上市，帶動市場買氣發酵以及客貨運需求持續擴張，服務業部門全年實質 GDP 成長 $1.44 \%$ ，而就業投入總工時減少 $1.90 \%$ ，致勞動生產力較上年上升 $3.41 \%$ 。另因平均每工時薪資年增 $3.51 \%$ ，高於勞動生產力之增幅 $3.41 \%$ ，致單位產出勞動成本上升 $0.10 \%$ 。

就各大行業勞動生產力觀察， 105 年各大行業勞動生產力均較上年上升，其中運輸及倉儲業受惠於高鐵自年前新增 3 站及南港站通車載客量擴增，以及製造業回溫帶動貨運需求，致實質 GDP 成長 $3.68 \%$ ，而就業投入總工時減少 $2.30 \%$ ，致勞動生產力上升 $6.11 \%$ 表現最佳；醫療保健服務業因實質 GDP 成長 $2.76 \%$ ，而就業投入總工時減少 $2.81 \%$ ，致勞動生產力上升 $5.74 \%$ 次之；資訊及通訊傳播業實質 GDP 成長 $3.08 \%$ ，而就業投入總工時減少 $1.56 \%$ ，致勞動生產力上升 $4.69 \%$居三。

若由單位產出勞動成本觀察，服務業中之各大行業每工時薪資均較上年增加，其中藝術，娛樂及休閒服務業，專業，科學及技術服務業，支援服務業與批發及零售業受平均每工時薪資上升幅度，高於勞動生產力影響，致單位產出勞動成本較上年上升，其中以藝術，娛樂及休閒服務業上升 $4.90 \%$ 最為顯著；其他服務業，運輸及倉儲業，金融及保險業，資訊及通訊傳播業，醫療保健服務業，住宿及餐飲業與不動產業則因平均每工時薪資上升幅度，低於勞動生產力增幅，致單位產出勞動成本較上年下降，其中以其他服務業下降 $1.30 \%$ 最為顯著。

## 表1 全體產業產值勞動生產力與單位產出勞動成本

單位：\％

|  |  | 勞動生產力 （每工時產出） |  | $\begin{gathered} \text { 產 出 } \\ \text { (實質GDP) } \end{gathered}$ |  | 就業投入總工時 |  | 單位產出勞動成本 |  | 平均每工時 <br> 薪 資 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 指數 | 年增率 | 指數 | 年增率 | 指數 | 年增率 | 指數 | 年增率 | 指數 | 年增率 |
| 100年 |  |  |  |  |  |  |  |  |  |  |  |
| 全 體 產 | 業 | 100.00 | 3.97 | 100.00 | 4.84 | 100.00 | 0.85 | 100.00 | 0.16 | 100.00 | 4.14 |
| 農 林 漁 牧 | 業 | 100.00 | 6.51 | 100.00 | 4.53 | 100.00 | －1．86 | 100.00 | －6．45 | 100.00 | －0．37 |
| 工 | 業 | 100.00 | 4.17 | 100.00 | 5.98 | 100.00 | 1.74 | 100.00 | －0．27 | 100.00 | 3.88 |
| 製 造 | 業 | 100.00 | 5.71 | 100.00 | 6.79 | 100.00 | 1.02 | 100.00 | －1．15 | 100.00 | 4.50 |
| 服 務 | 業 | 100.00 | 3.50 | 100.00 | 3.96 | 100.00 | 0.45 | 100.00 | 1.01 | 100.00 | 4.55 |
| 101年 |  |  |  |  |  |  |  |  |  |  |  |
| 全 體 產 | 業 | 100.93 | 0.93 | 102.19 | 2.19 | 101.25 | 1.25 | 99.37 | －0．63 | 100.30 | 0.30 |
| 農 林 漁 牧 | 業 | 97.15 | －2．85 | 96.80 | －3．20 | 99.64 | －0．36 | 103.77 | 3.77 | 100.80 | 0.80 |
|  | 業 | 102.80 | 2.80 | 103.29 | 3.29 | 100.48 | 0.48 | 98.25 | －1．75 | 101.01 | 1.01 |
| 製 造 | 業 | 103.60 | 3.60 | 103.72 | 3.72 | 100.12 | 0.12 | 98.03 | －1．97 | 101.56 | 1.56 |
| 服 務 | 業 | 99.57 | －0．43 | 101.56 | 1.56 | 101.99 | 1.99 | 100.10 | 0.10 | 99.67 | －0．33 |
| 102 年 |  |  |  |  |  |  |  |  |  |  |  |
| 全 體 產 |  | 102.95 | 2.00 | 104.61 | 2.37 | 101.62 | 0.37 | 98.23 | －1．15 | 101.12 | 0.82 |
| 農 林 漁 牧 | 業 | 97.63 | 0.49 | 98.10 | 1.34 | 100.48 | 0.84 | 102.31 | －1．41 | 99.89 | －0．91 |
| 工 | 業 | 104.14 | 1.30 | 105.01 | 1.67 | 100.84 | 0.36 | 97.46 | －0．80 | 101.50 | 0.49 |
| 製 造 | 業 | 104.89 | 1.25 | 105.48 | 1.70 | 100.56 | 0.44 | 97.12 | －0．93 | 101.87 | 0.31 |
| 服 務 | 業 | 102.17 | 2.61 | 104.55 | 2.94 | 102.32 | 0.32 | 98.70 | －1．40 | 100.85 | 1.19 |
| 103 年 |  |  |  |  |  |  |  |  |  |  |  |
| 全 體 產 | 業 | 106.94 | 3.88 | 110.18 | 5.32 | 103.03 | 1.39 | 97.59 | －0．65 | 104.37 | 3.21 |
| 農 林 漁 牧 | 業 | 96.91 | －0．74 | 99.62 | 1.55 | 102.80 | 2.31 | 106.64 | 4.23 | 103.34 | 3.45 |
| 工 | 業 | 110.04 | 5.67 | 112.61 | 7.24 | 102.33 | 1.48 | 94.38 | －3．16 | 103.86 | 2.33 |
| 製 造 | 業 | 112.16 | 6.93 | 114.10 | 8.17 | 101.73 | 1.16 | 93.28 | －3．95 | 104.62 | 2.70 |
| 服 務 | 業 | 104.95 | 2.72 | 108.72 | 3.99 | 103.59 | 1.24 | 99.78 | 1.09 | 104.72 | 3.84 |
| 104年 |  |  |  |  |  |  |  |  |  |  |  |
| 全 體 產 | 業 | 107.12 | 0.17 | 110.18 | 0.00 | 102.86 | －0．17 | 100.97 | 3.46 | 108.16 | 3.63 |
| 農 林 漁 牧 | 業 | 86.95 | －10．28 | 91.39 | －8．26 | 105.12 | 2.26 | 120.27 | 12.78 | 104.57 | 1.19 |
| 工 | 業 | 109.94 | －0．09 | 111.42 | －1．06 | 101.35 | －0．96 | 98.75 | 4.63 | 108.56 | 4.53 |
| 製 造 | 業 | 112.36 | 0.18 | 113.13 | －0．85 | 100.68 | －1．03 | 97.95 | 5.01 | 110.05 | 5.19 |
| 服 務 | 業 | 106.02 | 1.02 | 110.04 | 1.21 | 103.79 | 0.19 | 101.94 | 2.16 | 108.08 | 3.21 |
| 105年 |  |  |  |  |  |  |  |  |  |  |  |
| 全 體 產 | 業 | 111.57 | 4.15 | 111.87 | 1.53 | 100.26 | －2．53 | 100.62 | －0．35 | 112.27 | 3.80 |
| 農 林 漁 牧 | 業 | 82.63 | －4．97 | 85.08 | －6．90 | 102.96 | －2．05 | 130.00 | 8.09 | 107.42 | 2.73 |
| 工 | 業 | 116.18 | 5.68 | 113.69 | 2.04 | 97.86 | －3．44 | 97.45 | －1．32 | 113.21 | 4.28 |
| 製 造 | 業 | 119.23 | 6.11 | 115.70 | 2.27 | 97.05 | －3．61 | 96.93 | －1．04 | 115.56 | 5.00 |
| 服 務 | 業 | 109.64 | 3.41 | 111.63 | 1.44 | 101.82 | －1．90 | 102.04 | 0.10 | 111.87 | 3.51 |

表2 各行業產值勞動生產力與單位產出勞動成本
基期 ：民國 100 年 $=100$
民國 105 年
單位：\％

|  | 勞動生產力 （每工時產出） |  | 產 出 （實質GDP） |  | 就業投入總工時 |  | 單位產出勞動成本 |  | 平均每工時 <br> 薪 資 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 指數 | 年增率 | 指數 | 年增率 | 指數 | 年增率 | 指數 | 年增率 | 指數 | 年增率 |
| 全體產業 | 111.57 | 4.15 | 111.87 | 1.53 | 100.26 | －2．53 | 100.62 | －0．35 | 112.27 | 3.80 |
| 農林漁牧業 | 82.63 | －4．97 | 85.08 | －6．90 | 102.96 | －2．05 | 130.00 | 8.09 | 107.42 | 2.73 |
| 工業 | 116.18 | 5.68 | 113.69 | 2.04 | 97.86 | －3．44 | 97.45 | －1．32 | 113.21 | 4.28 |
| 礦業及土石採取業 | 81.88 | －3．89 | 76.50 | －9．73 | 93.43 | －6．08 | 122.98 | 4.82 | 100.70 | 0.74 |
| 製造業 | 119.23 | 6.11 | 115.70 | 2.27 | 97.05 | －3．61 | 96.93 | －1．04 | 115.56 | 5.00 |
| 電力及燃氣供應業 | 102.11 | 6.10 | 106.50 | 5.45 | 104.30 | －0．63 | 96.19 | －5．93 | 98.23 | －0．18 |
| 用水供應及污染整治業 | 118.50 | 5.78 | 116.02 | 1.98 | 97.91 | －3．58 | 83.36 | －4．77 | 98.77 | 0.72 |
| 營造業 | 95.97 | 0.07 | 96.58 | －2．84 | 100.64 | －2．90 | 111.97 | 2.17 | 107.45 | 2.24 |
| 服務業 | 109.64 | 3.41 | 111.63 | 1.44 | 101.82 | －1．90 | 102.04 | 0.10 | 111.87 | 3.51 |
| 批發及零售業 | 109.25 | 3.41 | 108.04 | 0.63 | 98.89 | －2．69 | 103.35 | 0.24 | 112.91 | 3.66 |
| 運輸及倉儲業 | 112.01 | 6.11 | 114.31 | 3.68 | 102.05 | －2．30 | 96.35 | －1．06 | 107.92 | 4.99 |
| 住宿及餐飲業 | 103.82 | 2.61 | 113.34 | 1.86 | 109.17 | －0．73 | 109.29 | －0．22 | 113.46 | 2.37 |
| 資訊及通訊傳播業 | 108.66 | 4.69 | 118.62 | 3.08 | 109.16 | －1．56 | 97.97 | －0．44 | 106.46 | 4.25 |
| 金融及保險業 | 123.30 | 1.12 | 120.21 | 2.37 | 97.49 | 1.23 | 91.49 | －0．67 | 112.82 | 0.46 |
| 不動產業 | 101.20 | 2.63 | 109.98 | $-1.86$ | 108.68 | －4．36 | 104.32 | －0．16 | 105.57 | 2.46 |
| 專業，科學及技術服務業 | 99.78 | 1.39 | 103.22 | 0.08 | 103.45 | －1．29 | 111.31 | 2.36 | 111.07 | 3.79 |
| 支援服務業 | 109.91 | 2.93 | 119.63 | 1.80 | 108.84 | －1．10 | 105.33 | 0.78 | 115.77 | 3.73 |
| 醫療保健服務業 | 103.90 | 5.74 | 107.47 | 2.76 | 103.44 | －2．81 | 109.74 | －0．40 | 114.02 | 5.32 |
| 藝術，娛樂及休閒服務業 | 105.67 | 1.81 | 111.57 | 0.80 | 105.58 | －1．00 | 111.90 | 4.90 | 118.25 | 6.81 |
| 其他服務業 | 114.32 | 3.86 | 109.10 | 0.90 | 95.43 | －2．85 | 98.79 | －1．30 | 112.94 | 2.51 |

## Summary Analysis

For domestic industrial development, enhancing labor productivity will not only advance sustained economic growth, but also assist in stabilizing commodity prices, reducing production costs, and raising salary level. In view of labor and capital are the main input elements for industries in the operational and production process, research on the trend of labor productivity of domestic industry allows us to comprehend the growth and decline between labor output and input, which also assists in clarifying the influence of capital intensity and technical progress rate on labor productivity.

With respect to research on labor productivity, it is to measure the output obtained from unit labor input, generally expressed by "Total Output / Total Labor Input", this can be regarded as the indicator for the applied efficiency of various industrial labor input, and for the potential economic output, in which the total output is measured with "Real GDP" ${ }^{1}$, i.e. calculated by the concept of output value, while the "Total Employed Hours" is applied on the calculation of total labor input.

In addition, for research of unit labor cost, it is related to measure the labor cost paid by per unit production, usually expressed by "Total Labor Cost / Total Output", which can be regarded as the indicators of the cost competiveness input by industries, in which total labor cost is measured by "Total Employed Earnings", and total output also uses "real GDP".

In order to observe the change trend of labor productivity and unit labor cost in domestic industries, pursuant to the forgoing description, meaning of these two terms are interpreted with formulation as follows:
(1) Output value labor productivity (hereinafter referred to as "labor productivity") = real GDP / total employed hours
(2) Unit labor cost $=$ Total employed earnings $/$ real GDP

From the relationship between (1) and (2), we hence lead to
(3) Unit labor cost = (Total employed earnings / total employed hours) / (real GDP / total employed hours)
$=$ Average earnings per working hour / labor productivity

[^1]As far as industrial operations are concerned, the changing situation of unit labor costs is an important indicator to observe industrial competiveness, as shown in equation (3). Therefore, the goal of reducing labor costs and enhancing industrial competitiveness shall be achieved mainly by raising labor productivity.


#### Abstract

All Industries

As a small open economy, Taiwan is highly dependent on foreign demand. The stagnant global economy in 2016 H 1 had adversely impacted on the external trade performance. The strong bounce-back of electronic parts and components in 2016H2, fortunately, led to a buoyant export market. Compared with the previous year (2015), performance dropped by $1.76 \%$. As for the domestic market, the preliminary estimate for economic growth rate of 2016 was $1.50 \%$ or 0.78 percentage point higher than the previous year because of the economic recovery and various measures initialized by the government for revitalizing economy.

In 2016, the total real GDP of all industries annually increased by $1.53 \%$. The total employed hours decreased by $2.53 \%$ because of the government policy - restriction of maximum weekly normal working hours of 40 hours. As a result, the labor productivity annually increased by $4.15 \%$.

In respect of unit labor costs, the average earnings per working hour annually grew by $3.80 \%$, which was less than the increase rate of $4.15 \%$ of labor productivity, and thus the unit labor costs for all industries dropped by $0.35 \%$ annually.


## (1) Agriculture, Forestry, Fishery and Animal Husbandry Sector

The extreme climate events in 2016, including the cold weather at the beginning of the year and consecutive typhoons, resulted in decreased production of some agriculture and aquaculture products. The real GDP for the agriculture, forestry, fishery and animal husbandry sector, therefore, declined by $6.90 \%$ for the whole year, which was higher than the reduction rate of $2.05 \%$ of total employed hours. Accordingly, the labor productivity declined by $4.97 \%$ annually. In respect of unit labor costs, an annual rise of $8.09 \%$ was seen, under the dual influences of the annual rise in average earnings per working hour $(2.73 \%)$ and the annual decrease in labor productivity ( $4.97 \%$ ).

## (2) Industrial Sector

In 2016, industrial sector gained momentum from the continuous expansion of the advanced manufacturing process, innovated mobile devices and smart applications / products in domestic semiconductor industry. The real GDP for the industrial sector, as a result, showed an annual growth of $2.04 \%$. Total employed hours decreased by $3.44 \%$, and thus the labor productivity increased by $5.68 \%$ annually. On the other hand, the unit labor costs declined by $1.32 \%$ from the previous year, since the annual increase rate of the average earnings per working hour (4.28\%) was lower than that of the labor productivity (5.68\%).

In respect of labor productivity by industry, the real GDP of mining \& quarrying showed a negative growth of $9.73 \%$, owing to the shrinkage of demand and the drops in both supply and price of stone and clay. The total employed hours dropped by $6.08 \%$, causing a declination of labor productivity of $3.89 \%$. All the other industries in this sector showed an upward trend. The real GDP of manufacturing showed a growth of $2.27 \%$, mainly because of booming demand for semiconductor products, the mobile devices successively launched by international brand vendors, and the prevalence of electronic control units, Internet of things and high performance computing applications. The total employed hours of manufacturing decreased by $3.61 \%$, and thus the labor productivity increased by $6.11 \%$, regarded as the most significant industry. Electricity \& gas supply showed a $2.9 \%$ annual growth of electricity sales because of the buoyant manufacturing activities and the rise in average temperature; moreover, the drop of international crude oil price led to reduced fuel cost and a $5.45 \%$ annual growth of the real GDP, and the total employed hours decreased by $0.63 \%$, which contributed to the $6.10 \%$ growth of labor productivity, regarded as the second significant industry. Water supply \& remediation activities showed a $1.98 \%$ growth of the real GDP and a $3.58 \%$ decrease of the total employed hours, and thus the labor productivity increased by $5.78 \%$. Because of the stagnant real estate market and heavy rain, construction tended to slow down the production and its real GDP showed a negative growth of $2.84 \%$, which is slightly lower than the $2.90 \%$ decrease of the total employed hours; therefore, construction showed a mild increase of $0.07 \%$ of labor productivity.

In respect of unit labor costs, mining \& quarrying showed an $4.82 \%$ increase of unit labor costs because of the $3.89 \%$ shrinkage of the labor productivity and the $0.74 \%$
growth of average earnings per working hour. Construction also showed a $2.17 \%$ rise of unit labor costs since the $2.24 \%$ increase of average earnings per working hour outpaced the $0.07 \%$ rise of the labor productivity. The other industries in this sector all showed a negative growth of unit labor costs. Electricity \& gas supply, most significantly, showed a $5.93 \%$ annual reduction of unit labor costs because of the $6.10 \%$ growth of the labor productivity and the $0.18 \%$ reduction of average earnings per working hour. Water supply \& remediation activities reported a $0.72 \%$ increase of average earnings per working hour, which was lower than the $5.78 \%$ increase of labor productivity, and thus also showed a $4.77 \%$ annual reduction of unit labor costs, regarded as the second significant industry; For manufacturing, the unit labor costs dropped by $1.04 \%$ since the $5.00 \%$ growth of average earnings per working hour was comparatively lower than the $6.11 \%$ increase rate of the labor productivity.

## (3) Services Sector

The real GDP for the services sector grew by $1.44 \%$ in 2016, mainly because of the increased revenue of retail sale in non-specialized stores, various measures initialized by the government for revitalizing economy such as commodity tax reduction for vehicles, subsidies for replacement of discarded cars etc., and launch of new imported cars, which drove the market in the booming and continuously expanded the demand for passengers and commodity transportation. The labor productivity consequently grew by $3.41 \%$ as the total employed hours decreased by $1.90 \%$. Moreover, the unit labor costs grew by $0.10 \%$ because the average earnings per working hour annually increased by $3.51 \%$, which was higher than the increase rate of labor productivity ( $3.41 \%$ ).

With regard to labor productivity by industry, all industries performed better in 2016 than in the previous year. The real GDP of transportation \& storage showed a growth of $3.68 \%$, mainly because of the opening of three additional HSR (High Speed Railway) stations, the operation of Nangang station which contributed to an increased passenger capacity, and the recovery of manufacturing which led to increased demand for commodity transportation; its total employed hours decreased by $2.30 \%$, and the labor productivity showed the most significant growth of $6.11 \%$ as a result. The real GDP of human health activities increased by $2.76 \%$, and the total employed hours decreased by $2.81 \%$; accordingly, its labor productivity showed the second significant
growth of $5.74 \%$. The real GDP of information \& communication increased by $3.08 \%$, and the total employed hours decreased by $1.56 \%$; accordingly, its labor productivity showed the third significant growth of $4.69 \%$.

With regard to unit labor costs, all industries in this sector showed the increased average earnings per working hour when compared with the previous year. For arts, entertainment \& recreation, professional, scientific \& technical activities, support service activities and wholesale \& retail trade, there was an increase in unit labor costs because the growth rate of average earnings per working hour is higher than that of labor productivity. The unit labor costs of arts, entertainment \& recreation showed the most significant growth of $4.90 \%$. On the other side, for other service activities, transportation \& storage, financial \& insurance activities, information \& communication, human health activities, accommodation \& food service activities and real estate activities, the unit labor costs moved downwards from the previous year because the growth rate of average earnings per working hour is lower than that of labor productivity. The unit labor costs of other services activities showed the most significant drop of $1.30 \%$.

Table 1 Labor Productivity and Unit Labor Costs of All Industries

| Base Period: $2011=100$ |  |  |  |  |  |  |  |  |  | Unit: \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Labor productivity (Output per hour) |  | $\begin{aligned} & \text { Output } \\ & \text { (Real GDP) } \end{aligned}$ |  | Total employed hours |  | Unit labor costs |  | Average earnings per working hour |  |
|  | Index | Annual rate of change | Index | Annual rate of change | Index | Annual rate of change | Index | Annual rate of change | Index | Annual rate of change |
| 2011 |  |  |  |  |  |  |  |  |  |  |
| All Industries | 100.00 | 3.97 | 100.00 | 4.84 | 100.00 | 0.85 | 100.00 | 0.16 | 100.00 | 4.14 |
| Agriculture | 100.00 | 6.51 | 100.00 | 4.53 | 100.00 | -1.86 | 100.00 | -6.45 | 100.00 | -0.37 |
| Industry | 100.00 | 4.17 | 100.00 | 5.98 | 100.00 | 1.74 | 100.00 | -0.27 | 100.00 | 3.88 |
| Manufacturing | 100.00 | 5.71 | 100.00 | 6.79 | 100.00 | 1.02 | 100.00 | -1.15 | 100.00 | 4.50 |
| Services | 100.00 | 3.50 | 100.00 | 3.96 | 100.00 | 0.45 | 100.00 | 1.01 | 100.00 | 4.55 |
| 2012 |  |  |  |  |  |  |  |  |  |  |
| All Industries | 100.93 | 0.93 | 102.19 | 2.19 | 101.25 | 1.25 | 99.37 | -0.63 | 100.30 | 0.30 |
| Agriculture | 97.15 | -2.85 | 96.80 | -3.20 | 99.64 | -0.36 | 103.77 | 3.77 | 100.80 | 0.80 |
| Industry | 102.80 | 2.80 | 103.29 | 3.29 | 100.48 | 0.48 | 98.25 | -1.75 | 101.01 | 1.01 |
| Manufacturing | 103.60 | 3.60 | 103.72 | 3.72 | 100.12 | 0.12 | 98.03 | -1.97 | 101.56 | 1.56 |
| Services | 99.57 | -0.43 | 101.56 | 1.56 | 101.99 | 1.99 | 100.10 | 0.10 | 99.67 | -0.33 |
| 2013 |  |  |  |  |  |  |  |  |  |  |
| All Industries | 102.95 | 2.00 | 104.61 | 2.37 | 101.62 | 0.37 | 98.23 | -1.15 | 101.12 | 0.82 |
| Agriculture | 97.63 | 0.49 | 98.10 | 1.34 | 100.48 | 0.84 | 102.31 | -1.41 | 99.89 | -0.91 |
| Industry | 104.14 | 1.30 | 105.01 | 1.67 | 100.84 | 0.36 | 97.46 | -0.80 | 101.50 | 0.49 |
| Manufacturing | 104.89 | 1.25 | 105.48 | 1.70 | 100.56 | 0.44 | 97.12 | -0.93 | 101.87 | 0.31 |
| Services | 102.17 | 2.61 | 104.55 | 2.94 | 102.32 | 0.32 | 98.70 | -1.40 | 100.85 | 1.19 |
| 2014 |  |  |  |  |  |  |  |  |  |  |
| All Industries | 106.94 | 3.88 | 110.18 | 5.32 | 103.03 | 1.39 | 97.59 | -0.65 | 104.37 | 3.21 |
| Agriculture | 96.91 | -0.74 | 99.62 | 1.55 | 102.80 | 2.31 | 106.64 | 4.23 | 103.34 | 3.45 |
| Industry | 110.04 | 5.67 | 112.61 | 7.24 | 102.33 | 1.48 | 94.38 | -3.16 | 103.86 | 2.33 |
| Manufacturing | 112.16 | 6.93 | 114.10 | 8.17 | 101.73 | 1.16 | 93.28 | -3.95 | 104.62 | 2.70 |
| Services | 104.95 | 2.72 | 108.72 | 3.99 | 103.59 | 1.24 | 99.78 | 1.09 | 104.72 | 3.84 |
| 2015 |  |  |  |  |  |  |  |  |  |  |
| All Industries | 107.12 | 0.17 | 110.18 | 0.00 | 102.86 | -0.17 | 100.97 | 3.46 | 108.16 | 3.63 |
| Agriculture | 86.95 | -10.28 | 91.39 | -8.26 | 105.12 | 2.26 | 120.27 | 12.78 | 104.57 | 1.19 |
| Industry | 109.94 | -0.09 | 111.42 | -1.06 | 101.35 | -0.96 | 98.75 | 4.63 | 108.56 | 4.53 |
| Manufacturing | 112.36 | 0.18 | 113.13 | -0.85 | 100.68 | -1.03 | 97.95 | 5.01 | 110.05 | 5.19 |
| Services | 106.02 | 1.02 | 110.04 | 1.21 | 103.79 | 0.19 | 101.94 | 2.16 | 108.08 | 3.21 |
| 2016 |  |  |  |  |  |  |  |  |  |  |
| All Industries | 111.57 | 4.15 | 111.87 | 1.53 | 100.26 | -2.53 | 100.62 | -0.35 | 112.27 | 3.80 |
| Agriculture | 82.63 | -4.97 | 85.08 | -6.90 | 102.96 | -2.05 | 130.00 | 8.09 | 107.42 | 2.73 |
| Industry | 116.18 | 5.68 | 113.69 | 2.04 | 97.86 | -3.44 | 97.45 | -1.32 | 113.21 | 4.28 |
| Manufacturing | 119.23 | 6.11 | 115.70 | 2.27 | 97.05 | -3.61 | 96.93 | -1.04 | 115.56 | 5.00 |
| Services | 109.64 | 3.41 | 111.63 | 1.44 | 101.82 | -1.90 | 102.04 | 0.10 | 111.87 | 3.51 |

Table 2 Labor Productivity and Unit Labor Costs by Industry


## 參•統－結果表

III．STATISTICAL RESULTS

歷年全體產業生產力統計主要指標

基期：民國100年 $=100$

|  | 產值勞動生產力指數 Indexes of labor productivity | 每工時產出 （新臺幣元／小時） Output per hour （NT\＄／Hour） | 每就業者產出 <br> （新臺幣元／每人每月） <br> Output per employed person <br> （NT\＄／Per month per employed person） | 每一等就業者產出 <br> （新臺幣元／每人每月） Output per equi－employed person （NT\＄／Per month per equi－employed person） |
| :---: | :---: | :---: | :---: | :---: |
| 71年 1982 | 21.49 | 113.82 | 23647 | 24684 |
| 72年 1983 | 22.98 | 121.71 | 25083 | 26504 |
| 73年1984 | 24.51 | 129.81 | 26867 | 28234 |
| 74年 1985 | 25.57 | 135.44 | 27602 | 29083 |
| 75年1986 | 27.32 | 144.70 | 29775 | 31436 |
| 76年1987 | 29.36 | 155.50 | 32109 | 33348 |
| 77年 1988 | 31.43 | 166.46 | 34169 | 35356 |
| 78年 1989 | 34.19 | 181.07 | 36656 | 38073 |
| 79年 1990 | 35.95 | 190.41 | 38128 | 39352 |
| 80年 1991 | 37.79 | 200.16 | 39954 | 41157 |
| 81年 1992 | 39.83 | 210.95 | 41985 | 43381 |
| 82年1993 | 41.92 | 222.04 | 44119 | 45627 |
| 83年1994 | 44.17 | 233.92 | 46604 | 49038 |
| 84年1995 | 46.80 | 247.83 | 48807 | 49608 |
| 85年1996 | 49.70 | 263.20 | 51747 | 52599 |
| 86年 1997 | 52.47 | 277.91 | 54733 | 55703 |
| 87年 1998 | 54.88 | 290.65 | 56255 | 56941 |
| 88年 1999 | 60.28 | 319.23 | 62002 | 62594 |
| 89年 2000 | 63.71 | 337.42 | 65548 | 66105 |
| 90年 2001 | 66.03 | 349.68 | 64613 | 65058 |
| 91年 2002 | 69.53 | 368.25 | 68214 | 68689 |
| 92年 2003 | 72.72 | 385.14 | 71252 | 71762 |
| 93年 2004 | 75.62 | 400.50 | 74909 | 75498 |
| 94年 2005 | 79.21 | 419.51 | 77991 | 78755 |
| 95年 2006 | 83.34 | 441.36 | 81512 | 82369 |
| 96年 2007 | 88.74 | 469.97 | 86378 | 86764 |
| 97年 2008 | 88.24 | 467.34 | 85527 | 85986 |
| 98年 2009 | 89.10 | 471.90 | 85202 | 85718 |
| 99年 2010 | 96.18 | 509.39 | 93883 | 94356 |
| 100年 2011 | 100.00 | 529.61 | 96335 | 96800 |
| 101年 2012 | 100.93 | 534.52 | 96904 | 97382 |
| 102年 2013 | 102.95 | 545.21 | 98175 | 98654 |
| 103年 2014 | 106.94 | 566.34 | 102294 | 102746 |
| 104年 2015 | 107.12 | 567.29 | 101081 | 101523 |
| 第1季 Q1 | 110.02 | 582.66 | 98807 | 99258 |
| 第2季 Q2 | 106.91 | 566.22 | 100575 | 100988 |
| 第3季 Q3 | 104.58 | 553.88 | 100688 | 101179 |
| 第4季 Q4 | 107.15 | 567.48 | 104236 | 104649 |
| 105年 2016 | 111.57 | 590.91 | 101984 | 102463 |
| 第1季 Q1 | 108.98 | 577.17 | 97039 | 97519 |
| 第2季 Q2 | 109.52 | 580.05 | 100482 | 100914 |
| 第3季 Q3 | 111.10 | 588.40 | 103152 | 103763 |
| 第4季 Q4 | 116.58 | 617.41 | 107226 | 107613 |

[^2]INDICATORS IN LABOR PRODUCTIVITY

| Base Period： $2011=100$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 單位產出勞動成本指數 <br> Indexes of unit labor costs | 就業者工時指數 <br> Indexes of employed hours | 就業者指數 <br> Indexes of employed persons | 等就業者指數 <br> Indexes of equi－employed persons | 總薪資指數 <br> Indexes of total earnings | 每工時薪資指數 <br> Indexes of per hour earnings |
| 107.44 | 75.73 | 66.31 | 63.83 | 17.49 | 23.09 |
| 105.23 | 77.94 | 68.80 | 65.42 | 18.85 | 24.18 |
| 106.67 | 81.07 | 71.25 | 68.12 | 21.20 | 26.15 |
| 107.67 | 81.08 | 72.37 | 69.02 | 22.33 | 27.54 |
| 106.54 | 85.14 | 75.26 | 71.63 | 24.78 | 29.11 |
| 106.33 | 88.75 | 78.19 | 75.64 | 27.71 | 31.22 |
| 112.19 | 89.13 | 78.98 | 76.70 | 31.43 | 35.26 |
| 120.69 | 89.54 | 80.45 | 77.83 | 36.95 | 41.26 |
| 132.79 | 88.69 | 80.56 | 78.43 | 42.34 | 47.74 |
| 140.19 | 90.16 | 82.16 | 80.14 | 47.77 | 52.98 |
| 146.45 | 91.85 | 83.94 | 81.64 | 53.58 | 58.33 |
| 151.60 | 93.03 | 85.16 | 82.74 | 59.12 | 63.56 |
| 153.17 | 95.37 | 87.07 | 83.15 | 64.52 | 67.65 |
| 153.27 | 95.36 | 88.07 | 87.07 | 68.39 | 71.72 |
| 150.64 | 95.30 | 88.17 | 87.16 | 71.34 | 74.86 |
| 149.80 | 96.67 | 89.28 | 88.15 | 75.98 | 78.60 |
| 149.98 | 96.33 | 90.53 | 89.87 | 79.29 | 82.31 |
| 140.66 | 94.57 | 88.57 | 88.15 | 80.18 | 84.78 |
| 136.55 | 95.76 | 89.67 | 89.34 | 83.31 | 87.00 |
| 133.76 | 90.02 | 88.62 | 88.43 | 79.50 | 88.31 |
| 125.34 | 90.95 | 89.31 | 89.12 | 79.26 | 87.15 |
| 121.08 | 91.44 | 89.91 | 89.70 | 80.51 | 88.05 |
| 117.34 | 94.54 | 91.94 | 91.66 | 83.88 | 88.72 |
| 114.75 | 95.61 | 93.55 | 93.09 | 86.91 | 90.90 |
| 110.78 | 96.69 | 95.24 | 94.70 | 89.27 | 92.33 |
| 106.75 | 97.94 | 96.93 | 96.96 | 92.78 | 94.73 |
| 108.35 | 98.32 | 97.73 | 97.67 | 94.01 | 95.62 |
| 104.75 | 95.14 | 95.85 | 95.73 | 88.80 | 93.34 |
| 99.84 | 99.16 | 97.87 | 97.85 | 95.22 | 96.03 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 99.37 | 101.25 | 101.59 | 101.58 | 101.55 | 100.30 |
| 98.23 | 101.62 | 102.65 | 102.65 | 102.76 | 101.12 |
| 97.59 | 103.03 | 103.76 | 103.80 | 107.53 | 104.37 |
| 100.97 | 102.86 | 105.01 | 105.06 | 111.25 | 108.16 |
| 127.44 | 97.59 | 104.68 | 104.71 | 136.83 | 140.21 |
| 92.59 | 102.36 | 104.82 | 104.90 | 101.33 | 98.99 |
| 95.27 | 105.14 | 105.20 | 105.20 | 104.75 | 99.63 |
| 89.57 | 106.36 | 105.33 | 105.42 | 102.08 | 95.98 |
| 100.62 | 100.26 | 105.67 | 105.68 | 112.56 | 112.27 |
| 127.47 | 97.41 | 105.39 | 105.38 | 135.32 | 138.92 |
| 94.20 | 100.38 | 105.40 | 105.46 | 103.56 | 103.17 |
| 94.19 | 101.98 | 105.82 | 105.70 | 106.72 | 104.65 |
| 88.63 | 101.27 | 106.07 | 106.20 | 104.63 | 103.32 |

[^3]
## 表1 產業別產值勞動生產力指數

基期：民國100年 $=100$

|  | 全體產業 <br> All Industries | 農林漁牧業 <br> Agriculture， forestry，fishing \＆ animal husbandry | 工業 | 磺業及土石採取業 <br> Mining \＆quarrying |
| :---: | :---: | :---: | :---: | :---: |
| 91年 2002 | 69.53 | 70.65 | 59.95 | 72.15 |
| 92年 2003 | 72.72 | 71.22 | 65.04 | 59.02 |
| 93年 2004 | 75.62 | 71.69 | 68.24 | 66.79 |
| 94年 2005 | 79.21 | 75.33 | 71.81 | 63.08 |
| 95年 2006 | 83.34 | 91.33 | 75.61 | 53.84 |
| 96年 2007 | 88.74 | 95.26 | 82.22 | 58.11 |
| 97年 2008 | 88.24 | 96.43 | 81.99 | 56.03 |
| 98年 2009 | 89.10 | 93.53 | 85.03 | 61.92 |
| $\begin{array}{cl} \text { 99年 } & 2010 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{aligned} & 96.18 \\ & 94.45 \\ & 94.98 \\ & 95.25 \\ & 99.83 \end{aligned}$ | $\begin{array}{r} 93.89 \\ 86.54 \\ 96.47 \\ 89.46 \\ 102.64 \end{array}$ | $\begin{array}{r} 96.00 \\ 90.26 \\ 93.61 \\ 99.33 \\ 100.04 \end{array}$ | $\begin{array}{r} 98.26 \\ 90.70 \\ 89.83 \\ 95.55 \\ 115.38 \end{array}$ |
| 100年 2011 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 100.00 \\ 102.13 \\ 99.65 \\ 97.63 \\ 100.75 \end{array}$ | $\begin{array}{r} 100.00 \\ 91.28 \\ 102.88 \\ 91.53 \\ 114.45 \end{array}$ | $\begin{array}{r} 100.00 \\ 99.53 \\ 99.99 \\ 100.92 \\ 99.51 \end{array}$ | $\begin{array}{r} 100.00 \\ 96.78 \\ 98.24 \\ 92.18 \\ 111.92 \end{array}$ |
| 101年 2012 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 100.93 \\ 101.43 \\ 99.64 \\ 100.15 \\ 102.49 \end{array}$ | $\begin{array}{r} 97.15 \\ 85.85 \\ 103.78 \\ 93.59 \\ 105.40 \end{array}$ | $\begin{array}{r} 102.80 \\ 99.27 \\ 100.44 \\ 106.48 \\ 104.76 \end{array}$ | $\begin{array}{r} 96.55 \\ 104.62 \\ 88.21 \\ 85.43 \\ 108.80 \end{array}$ |
| $\begin{array}{ll} \text { 102年 } & 2013 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q44 } \end{array}$ | $\begin{aligned} & 102.95 \\ & 104.04 \\ & 101.85 \\ & 101.30 \\ & 104.63 \end{aligned}$ | $\begin{array}{r} 97.63 \\ 84.82 \\ 107.45 \\ 89.08 \\ 108.68 \end{array}$ | $\begin{aligned} & 104.14 \\ & 101.71 \\ & 102.53 \\ & 107.31 \\ & 104.72 \end{aligned}$ | $\begin{array}{r} 95.71 \\ 101.76 \\ 88.46 \\ 88.45 \\ 104.03 \end{array}$ |
| 103年 2014 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 106.94 \\ & 107.62 \\ & 106.45 \\ & 106.11 \\ & 107.60 \end{aligned}$ | $\begin{array}{r} 96.91 \\ 88.14 \\ 103.96 \\ 83.95 \\ 110.86 \end{array}$ | $\begin{aligned} & 110.04 \\ & 105.52 \\ & 109.25 \\ & 114.33 \\ & 110.59 \end{aligned}$ | $\begin{array}{r} 93.75 \\ 92.15 \\ 88.46 \\ 81.06 \\ 114.15 \end{array}$ |
| 104年 2015 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 107.12 \\ & 110.02 \\ & 106.91 \\ & 104.58 \\ & 107.15 \end{aligned}$ | $\begin{aligned} & 86.95 \\ & 81.34 \\ & 93.56 \\ & 76.34 \\ & 96.41 \end{aligned}$ | $\begin{aligned} & 109.94 \\ & 111.43 \\ & 108.88 \\ & 111.75 \\ & 107.80 \end{aligned}$ | $\begin{aligned} & 85.19 \\ & 94.05 \\ & 83.57 \\ & 73.04 \\ & 90.73 \end{aligned}$ |
| 105年 2016 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 111.57 \\ & 108.98 \\ & 109.52 \\ & 111.10 \\ & 116.58 \end{aligned}$ | $\begin{aligned} & 82.63 \\ & 72.20 \\ & 86.10 \\ & 76.05 \\ & 96.36 \end{aligned}$ | $\begin{aligned} & 116.18 \\ & 109.89 \\ & 113.17 \\ & 121.72 \\ & 119.52 \end{aligned}$ | $\begin{aligned} & 81.88 \\ & 81.52 \\ & 85.15 \\ & 71.38 \\ & 89.78 \end{aligned}$ |

[^4]TABLE 1 INDEXES OF LABOR PRODUCTIVITY BY INDUSTRY

Base Period： $2011=100$

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 54.71 | 69.87 | 81.93 | 110.89 | 80.48 | 70.89 |
| 59.77 | 72.02 | 84.18 | 111.18 | 81.85 | 73.18 |
| 63.12 | 76.9 | 84.54 | 112.92 | 83.82 | 74.91 |
| 67.79 | 81.14 | 95.28 | 106.3 | 86.68 | 81.08 |
| 72.35 | 82.28 | 108 | 105.69 | 90.06 | 85.63 |
| 79.89 | 76.55 | 106.75 | 105.60 | 94.09 | 89.79 |
| 80.25 | 75.65 | 102.81 | 96.90 | 93.21 | 90.77 |
| 83.54 | 93.27 | 103.45 | 93.73 | 92.62 | 90.90 |
| 94.60 | 96.19 | 100.77 | 103.83 | 96.62 | 95.75 |
| 87.72 | 90.59 | 94.98 | 112.70 | 98.65 | 98.71 |
| 92.63 | 78.66 | 102.30 | 105.06 | 96.30 | 93.28 |
| 97.51 | 97.85 | 105.17 | 111.19 | 92.07 | 88.91 |
| 99.64 | 116.25 | 100.18 | 87.81 | 99.59 | 102.22 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 98.39 | 95.37 | 91.07 | 113.91 | 104.94 | 108.34 |
| 99.95 | 82.49 | 103.63 | 105.62 | 99.32 | 97.94 |
| 100.97 | 99.50 | 102.94 | 102.66 | 95.06 | 91.95 |
| 100.57 | 121.71 | 101.98 | 79.58 | 101.06 | 102.38 |
| 103.60 | 98.15 | 102.11 | 97.34 | 99.57 | 100.11 |
| 99.10 | 87.69 | 98.93 | 106.90 | 103.96 | 107.03 |
| 101.76 | 67.35 | 102.65 | 99.19 | 98.67 | 97.01 |
| 107.25 | 89.00 | 102.78 | 104.43 | 95.41 | 92.57 |
| 105.93 | 147.07 | 103.75 | 79.66 | 100.52 | 104.23 |
| 104.89 | 103.03 | 103.24 | 98.14 | 102.17 | 101.73 |
| 101.53 | 91.52 | 99.67 | 110.17 | 106.60 | 110.95 |
| 104.10 | 69.94 | 106.73 | 99.66 | 101.02 | 98.90 |
| 108.09 | 96.94 | 103.63 | 103.35 | 97.13 | 92.19 |
| 105.49 | 151.56 | 102.73 | 80.43 | 104.22 | 105.55 |
| 112.16 | 103.79 | 109.38 | 96.09 | 104.95 | 104.72 |
| 105.94 | 100.15 | 101.57 | 108.90 | 110.17 | 112.89 |
| 111.69 | 81.76 | 108.54 | 100.38 | 104.45 | 103.19 |
| 116.77 | 100.14 | 114.98 | 99.54 | 100.52 | 95.39 |
| 113.57 | 131.89 | 112.06 | 77.41 | 105.09 | 108.05 |
| 112.36 | 96.24 | 112.03 | 95.90 | 106.02 | 105.65 |
| 113.10 | 100.56 | 105.98 | 107.53 | 110.74 | 114.53 |
| 112.10 | 74.22 | 111.03 | 98.78 | 106.12 | 103.35 |
| 114.04 | 94.41 | 115.41 | 99.38 | 100.34 | 95.49 |
| 110.27 | 115.35 | 115.18 | 79.05 | 107.20 | 109.73 |
| 119.23 | 102.11 | 118.50 | 95.97 | 109.64 | 109.25 |
| 111.53 | 95.64 | 107.81 | 104.18 | 110.70 | 113.90 |
| 116.59 | 86.14 | 117.47 | 98.90 | 108.09 | 105.66 |
| 125.44 | 100.36 | 124.00 | 100.02 | 104.51 | 98.77 |
| 122.84 | 126.53 | 123.88 | 81.22 | 115.34 | 119.05 |

[^5]
## 表1 產業別產值勞動生產力指數（續）

基期：民國100年 $=100$

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 79.98 | 82.67 | 77.62 | 87.12 |
| 92年 2003 | 80.15 | 79.56 | 83.28 | 88.68 |
| 93年 2004 | 82.49 | 85.06 | 83.99 | 91.77 |
| 94年 2005 | 87.34 | 83.85 | 84.93 | 93.14 |
| 95年 2006 | 89.65 | 83.74 | 84.73 | 95.69 |
| 96年 2007 | 95.35 | 87.95 | 87.39 | 104.13 |
| 97年 2008 | 94.95 | 85.69 | 91.56 | 98.46 |
| 98年 2009 | 92.55 | 84.64 | 92.27 | 90.45 |
| 99年 2010 | 98.46 | 89.05 | 100.20 | 94.24 |
| 第1季 Q1 | 105.55 | 90.81 | 100.57 | 95.64 |
| 第2季 Q2 | 97.47 | 90.76 | 98.43 | 99.65 |
| 第3季 Q3 | 94.23 | 87.92 | 100.85 | 93.78 |
| 第4季 Q4 | 97.10 | 86.96 | 100.91 | 88.38 |
| 100年 2011 | 100.00 | 100.00 | 100.00 | 100.00 |
| 第1季 Q1 | 107.28 | 99.93 | 103.06 | 101.47 |
| 第2季 Q2 | 100.19 | 100.07 | 95.70 | 108.55 |
| 第3季 Q3 | 94.11 | 100.11 | 100.18 | 99.01 |
| 第4季 Q4 | 99.16 | 99.89 | 101.14 | 91.54 |
| 101年 2012 | 101.03 | 98.23 | 98.08 | 100.53 |
| 第1季 Q1 | 109.68 | 104.26 | 103.59 | 102.99 |
| 第2季 Q2 | 98.72 | 97.31 | 93.38 | 106.24 |
| 第3季 Q3 | 96.65 | 98.87 | 98.50 | 100.22 |
| 第4季 Q4 | 99.81 | 93.02 | 97.27 | 93.05 |
| 102年 2013 | 107.04 | 99.81 | 100.59 | 107.37 |
| 第1季 Q1 | 115.05 | 101.96 | 105.43 | 107.97 |
| 第2季 Q2 | 105.07 | 94.99 | 98.58 | 114.71 |
| 第3季 Q3 | 101.29 | 103.36 | 99.96 | 106.25 |
| 第4季 Q4 | 107.45 | 99.01 | 98.83 | 100.92 |
| 103年 2014 | 106.09 | 100.46 | 100.46 | 116.41 |
| 第1季 Q1 | 114.42 | 109.26 | 107.63 | 118.03 |
| 第2季 Q2 | 105.64 | 99.42 | 97.93 | 124.53 |
| 第3季 Q3 | 101.82 | 102.13 | 98.69 | 120.06 |
| 第4季 Q4 | 103.23 | 92.13 | 98.39 | 103.75 |
| 104年 2015 | 105.56 | 101.18 | 103.79 | 121.93 |
| 第1季 Q1 | 114.48 | 104.76 | 108.03 | 123.46 |
| 第2季 Q2 | 107.61 | 100.83 | 101.42 | 133.19 |
| 第3季 Q3 | 98.71 | 103.16 | 102.14 | 121.44 |
| 第4季 Q4 | 102.38 | 96.27 | 103.90 | 110.66 |
| 105年 2016 | 112.01 | 103.82 | 108.66 | 123.30 |
| 第1季 Q1 | 111.24 | 104.39 | 110.71 | 121.43 |
| 第2季 Q2 | 110.68 | 99.82 | 105.89 | 134.39 |
| 第3季 Q3 | 107.79 | 106.56 | 107.61 | 124.40 |
| 第4季 Q4 | 118.39 | 104.51 | 110.49 | 113.32 |

[^6]TABLE 1 INDEXES OF LABOR PRODUCTIVITY BY INDUSTRY（CONT．）

Base Period： $2011=100$

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 85.55 | 107.77 | 83.56 | 113.74 | 56.93 | 82.57 |
| 97.03 | 109.91 | 75.75 | 111.69 | 57.93 | 85.07 |
| 89.65 | 108.42 | 81.93 | 109.67 | 57.52 | 81.68 |
| 89.44 | 102.55 | 86.95 | 102.03 | 59.45 | 85.72 |
| 115.58 | 110.45 | 93.95 | 99.24 | 66.53 | 87.99 |
| 111.71 | 104.45 | 99.94 | 101.02 | 76.30 | 91.40 |
| 102.17 | 95.82 | 99.43 | 100.57 | 81.95 | 92.20 |
| 110.08 | 97.58 | 96.40 | 102.85 | 88.14 | 95.45 |
| 114.21 | 98.89 | 100.11 | 99.51 | 92.23 | 98.33 |
| 118.12 | 98.24 | 97.96 | 97.51 | 98.97 | 103.30 |
| 111.43 | 97.87 | 97.47 | 102.01 | 96.46 | 95.72 |
| 84.34 | 98.36 | 97.53 | 99.31 | 89.11 | 92.87 |
| 142.52 | 100.99 | 107.08 | 99.12 | 85.45 | 101.76 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 119.68 | 105.16 | 94.68 | 103.34 | 101.03 | 104.97 |
| 94.30 | 99.60 | 96.17 | 101.30 | 102.47 | 94.05 |
| 70.27 | 96.18 | 99.58 | 98.70 | 97.39 | 96.99 |
| 119.24 | 99.60 | 109.11 | 96.99 | 99.27 | 104.38 |
| 98.39 | 100.91 | 99.42 | 97.37 | 99.51 | 100.75 |
| 84.53 | 102.58 | 97.64 | 98.15 | 105.81 | 105.34 |
| 94.21 | 102.91 | 95.30 | 100.54 | 101.23 | 96.77 |
| 79.71 | 98.06 | 97.05 | 96.30 | 98.29 | 100.81 |
| 134.25 | 100.28 | 107.37 | 94.78 | 93.35 | 100.27 |
|  |  | 103.01 |  | 103.11 |  |
| $108.56$ | 106.75 | 103.37 | 95.62 | 105.09 | 105.54 |
| 108.86 | 102.41 | 99.93 | 97.50 | 97.67 | 98.01 |
| 81.71 | 100.43 | 99.37 | 93.40 | 104.99 | 102.72 |
| 136.17 | 98.99 | 109.16 | 95.46 | 104.87 | 105.81 |
| 100.86 | 100.48 | 103.33 | 99.03 | 105.41 | 109.24 |
| 101.12 | 103.29 | 100.26 | 100.56 | 111.77 | 112.75 |
| 96.92 | 98.90 | 97.51 | 100.12 | 100.68 | 102.74 |
| $75.63$ | 100.19 | 100.69 | 97.54 | 102.58 | 108.59 |
| 128.57 | 99.78 | 114.37 | 98.06 | 106.89 | 112.79 |
| 98.61 | 98.41 | 106.78 | 98.26 | 103.79 | 110.07 |
| 98.13 | 101.57 | 104.63 | 98.97 | 114.90 | 114.56 |
| 91.69 | 95.89 | 103.20 | 100.15 | 100.02 | 105.17 |
| 70.03 | 96.03 | 104.33 | 96.66 | 99.00 | 109.56 |
| 134.45 | 100.30 | 114.54 | 97.39 | 102.17 | 111.07 |
| 101.20 | 99.78 | 109.91 | 103.90 | 105.67 | 114.32 |
| 95.71 | 102.77 | 106.71 | 102.51 | 111.35 | 117.76 |
| 98.13 | 96.08 | 106.19 | 104.82 | 100.74 | 106.64 |
| 72.18 | 96.21 | 106.22 | 104.15 | 103.31 | 113.46 |
| 138.32 | 104.25 | 120.37 | 104.07 | 107.57 | 119.63 |

[^7]表2 產業別每工時產出

單位：新臺幣元／小時

|  | 全體產業 <br> All Industries | 農林漁牧業 <br> Agriculture， forestry，fishing \＆ animal husbandry | 工業 | 礦業及土石採取業 <br> Mining \＆quarrying |
| :---: | :---: | :---: | :---: | :---: |
| 91年 2002 | 368.25 | 154.63 | 329.94 | 1419.67 |
| 92年 2003 | 385.14 | 155.89 | 357.90 | 1161.25 |
| 93年 2004 | 400.50 | 156.91 | 375.56 | 1314.18 |
| 94年 2005 | 419.51 | 164.87 | 395.20 | 1241.15 |
| 95年 2006 | 441.36 | 199.91 | 416.07 | 1059.26 |
| 96年 2007 | 469.97 | 208.50 | 452.44 | 1143.33 |
| 97年 2008 | 467.34 | 211.07 | 451.19 | 1102.51 |
| 98年 2009 | 471.90 | 204.72 | 467.95 | 1218.22 |
| $\begin{array}{ll} \text { 99年 } & 2010 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{aligned} & 509.39 \\ & 500.24 \\ & 503.01 \\ & 504.44 \\ & 528.68 \end{aligned}$ | $\begin{aligned} & 205.49 \\ & 189.41 \\ & 211.14 \\ & 195.81 \\ & 224.65 \end{aligned}$ | $\begin{aligned} & 528.30 \\ & 496.72 \\ & 515.18 \\ & 546.65 \\ & 550.52 \end{aligned}$ | $\begin{aligned} & 1933.30 \\ & 1784.62 \\ & 1787.39 \\ & 1880.02 \\ & 2870.14 \end{aligned}$ |
| 100年 2011 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 529.61 \\ & 540.89 \\ & 527.75 \\ & 517.08 \\ & 533.59 \end{aligned}$ | $\begin{aligned} & 218.88 \\ & 199.79 \\ & 225.17 \\ & 200.34 \\ & 250.50 \end{aligned}$ | $\begin{aligned} & 550.31 \\ & 547.71 \\ & 550.29 \\ & 555.40 \\ & 547.60 \end{aligned}$ | 1967.78 1904.28 1932.85 1813.77 2202.11 |
| 101年 2012 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 534.52 \\ & 537.20 \\ & 527.72 \\ & 530.38 \\ & 542.77 \end{aligned}$ | $\begin{aligned} & 212.63 \\ & 187.91 \\ & 227.14 \\ & 204.85 \\ & 230.70 \end{aligned}$ | $\begin{aligned} & 565.73 \\ & 546.29 \\ & 552.71 \\ & 585.96 \\ & 576.49 \end{aligned}$ | $\begin{aligned} & 1899.66 \\ & 2058.55 \\ & 1735.58 \\ & 1680.82 \\ & 2140.64 \end{aligned}$ |
| $\begin{array}{ll} \text { 102年 } & 2013 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q44 } \end{array}$ | $\begin{aligned} & 545.21 \\ & 550.98 \\ & 539.41 \\ & 536.51 \\ & 554.13 \end{aligned}$ | $\begin{aligned} & 213.69 \\ & 185.65 \\ & 235.19 \\ & 194.98 \\ & 237.87 \end{aligned}$ | $\begin{aligned} & 573.08 \\ & 559.72 \\ & 564.25 \\ & 590.56 \\ & 576.27 \end{aligned}$ | $\begin{array}{ll} 1 & 883.10 \\ 2 & 002.29 \\ 1 & 740.52 \\ 1 & 740.21 \\ 2 & 046.88 \end{array}$ |
| $\begin{array}{ll} 103 \text { 年 } & 2014 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{aligned} & 566.34 \\ & 569.94 \\ & 563.77 \\ & 561.94 \\ & 569.87 \end{aligned}$ | $\begin{aligned} & 212.11 \\ & 192.91 \\ & 227.55 \\ & 183.75 \\ & 242.64 \end{aligned}$ | $\begin{aligned} & 605.57 \\ & 580.67 \\ & 601.24 \\ & 629.17 \\ & 608.61 \end{aligned}$ | $\begin{aligned} & 1844.50 \\ & 1813.13 \\ & 1740.41 \\ & 1594.99 \\ & 2246.00 \end{aligned}$ |
| 104年 2015 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 567.29 \\ & 582.66 \\ & 566.22 \\ & 553.88 \\ & 567.48 \end{aligned}$ | $\begin{aligned} & 190.30 \\ & 178.03 \\ & 204.79 \\ & 167.09 \\ & 211.01 \end{aligned}$ | $\begin{aligned} & 605.02 \\ & 613.21 \\ & 599.18 \\ & 614.97 \\ & 593.26 \end{aligned}$ | $\begin{aligned} & 1676.20 \\ & 1850.55 \\ & 1644.24 \\ & 1437.05 \\ & 1785.10 \end{aligned}$ |
| $\begin{array}{ll} \text { 105年 } & 2016 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 Q44 } \end{array}$ | $\begin{aligned} & 590.91 \\ & 577.17 \\ & 580.05 \\ & 588.40 \\ & 617.41 \end{aligned}$ | $\begin{aligned} & 180.87 \\ & 158.03 \\ & 188.45 \\ & 166.46 \\ & 210.91 \end{aligned}$ | 639.33 <br> 604.72 <br> 622.81 <br> 669.85 <br> 657.74 | $\begin{aligned} & 1610.98 \\ & 1604.04 \\ & 1675.37 \\ & 1404.45 \\ & 1766.45 \end{aligned}$ |

[^8]TABLE 2 OUTPUT PER HOUR BY INDUSTRY

Unit：NT\＄／Hour

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 342.40 | 1475.01 | 465.70 | 236.86 | 438.39 | 450.11 |
| 374.06 | 1520.25 | 478.46 | 237.48 | 445.87 | 464.66 |
| 395.04 | 1623.40 | 480.54 | 241.20 | 456.59 | 475.68 |
| 424.30 | 1712.76 | 541.57 | 227.07 | 472.16 | 514.83 |
| 452.82 | 1737.01 | 613.87 | 225.77 | 490.62 | 543.73 |
| 500.01 | 1616.02 | 606.78 | 225.57 | 512.58 | 570.12 |
| 502.27 | 1596.99 | 584.36 | 206.98 | 507.74 | 576.38 |
| 522.85 | 1968.85 | 588.03 | 200.21 | 504.52 | 577.21 |
| 592.04 | 2030.53 | 572.79 | 221.80 | 526.35 | 608.01 |
| 549.01 | 1912.27 | 539.89 | 240.74 | 537.39 | 626.80 |
| 579.74 | 1660.57 | 581.50 | 224.41 | 524.60 | 592.34 |
| 610.30 | 2065.66 | 597.78 | 237.51 | 501.57 | 564.58 |
| 623.60 | 2454.08 | 569.44 | 187.57 | 542.52 | 649.05 |
| 625.86 | 2110.98 | 568.41 | 213.61 | 544.75 | 634.98 |
| 615.77 | 2013.25 | 517.64 | 243.32 | 571.68 | 687.95 |
| 625.52 | 1741.35 | 589.06 | 225.61 | 541.06 | 621.91 |
| 631.96 | 2100.43 | 585.11 | 219.29 | 517.82 | 583.88 |
| 629.42 | 2569.21 | 579.69 | 170.00 | 550.52 | 650.12 |
| 648.37 | 2072.03 | 580.39 | 207.93 | 542.40 | 635.67 |
| 620.20 | 1851.15 | 562.32 | 228.34 | 566.34 | 679.65 |
| 636.88 | 1421.77 | 583.50 | 211.88 | 537.51 | 616.03 |
| 671.25 | 1878.69 | 584.21 | 223.08 | 519.74 | 587.80 |
| 662.99 | 3104.56 | 589.74 | 170.17 | 547.58 | 661.81 |
| 656.49 | 2174.98 | 586.85 | 209.63 | 556.59 | 645.94 |
| 635.45 | 1932.01 | 566.56 | 235.34 | 580.71 | 704.51 |
| 651.50 | 1476.42 | 606.67 | 212.88 | 550.31 | 628.03 |
| 676.52 | 2046.48 | 589.06 | 220.76 | 529.09 | 585.38 |
| 660.23 | 3199.50 | 583.93 | 171.81 | 567.74 | 670.25 |
| 701.94 | 2190.93 | 621.73 | 205.25 | 571.73 | 664.99 |
| 663.03 | 2114.08 | 577.31 | 232.63 | 600.17 | 716.82 |
| 699.03 | 1725.93 | 616.96 | 214.43 | 569.00 | 655.23 |
| 730.82 | 2114.03 | 653.56 | 212.62 | 547.57 | 605.71 |
| 710.80 | 2784.22 | 636.95 | 165.36 | 572.45 | 686.07 |
| 703.24 | 2031.51 | 636.81 | 204.86 | 577.56 | 670.84 |
| 707.87 | 2122.85 | 602.38 | 229.69 | 603.26 | 727.27 |
| 701.58 | 1566.72 | 631.10 | 210.99 | 578.08 | 656.26 |
| 713.71 | 1992.90 | 655.98 | 212.28 | 546.60 | 606.34 |
| 690.11 | 2435.00 | 654.67 | 168.85 | 583.96 | 696.76 |
| 746.18 | 2155.61 | 673.57 | 204.99 | 597.27 | 693.72 |
| 698.05 | 2019.01 | 612.78 | 222.53 | 603.02 | 723.24 |
| 729.67 | 1818.49 | 667.71 | 211.25 | 588.81 | 670.91 |
| 785.10 | 2118.58 | 704.86 | 213.65 | 569.31 | 627.15 |
| 768.83 | 2670.95 | 704.16 | 173.49 | 628.32 | 755.95 |

[^9]表2 產業別每工時產出（續）

單位：新臺幣元／小時

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 348.42 | 174.55 | 814.33 | 935.60 |
| 92年 2003 | 349.17 | 167.97 | 873.75 | 952.30 |
| 93年 2004 | 359.39 | 179.60 | 881.16 | 985.51 |
| 94年 2005 | 380.51 | 177.04 | 891.07 | 1000.16 |
| 95年 2006 | 390.56 | 176.81 | 888.98 | 1027.63 |
| 96年 2007 | 415.40 | 185.70 | 916.84 | 1118.27 |
| 97年 2008 | 413.67 | 180.92 | 960.59 | 1057.32 |
| 98年 2009 | 403.22 | 178.71 | 968.04 | 971.36 |
| 99年 2010 | 428.94 | 188.03 | 1051.28 | 1011.99 |
| 第1季 Q1 | 459.83 | 191.73 | 1055.15 | 1027.06 |
| 第2季 Q2 | 424.63 | 191.62 | 1032.72 | 1070.09 |
| 第3季 Q3 | 410.55 | 185.64 | 1058.05 | 1007.06 |
| 第4季 Q4 | 423.01 | 183.60 | 1058.76 | 949.06 |
| 100年 2011 | 435.66 | 211.14 | 1049.17 | 1073.87 |
| 第1季 Q1 | 467.39 | 210.99 | 1081.25 | 1089.64 |
| 第2季 Q2 | 436.47 | 211.28 | 1004.02 | 1165.70 |
| 第3季 Q3 | 409.98 | 211.38 | 1051.11 | 1063.24 |
| 第4季 Q4 | 432.02 | 210.91 | 1061.17 | 982.99 |
| 101年 2012 | 440.15 | 207.40 | 1029.00 | 1079.59 |
| 第1季 Q1 | 477.83 | 220.14 | 1086.81 | 1105.99 |
| 第2季 Q2 | 430.08 | 205.46 | 979.69 | 1140.87 |
| 第3季 Q3 | 421.06 | 208.76 | 1033.44 | 1076.26 |
| 第4季 Q4 | 434.82 | 196.39 | 1020.58 | 999.26 |
| 102年 2013 | 466.32 | 210.74 | 1055.39 | 1153.01 |
| 第1季 Q1 | 501.22 | 215.28 | 1106.15 | 1159.42 |
| 第2季 Q2 | 457.77 | 200.56 | 1034.26 | 1231.82 |
| 第3季 Q3 | 441.28 | 218.23 | 1048.79 | 1140.95 |
| 第4季 Q4 | 468.11 | 209.04 | 1036.92 | 1083.73 |
| 103年 2014 | 462.20 | 212.12 | 1054.04 | 1250.12 |
| 第1季 Q1 | 498.48 | 230.70 | 1129.25 | 1267.52 |
| 第2季 Q2 | 460.23 | 209.92 | 1027.41 | 1337.24 |
| 第3季 Q3 | 443.60 | 215.63 | 1035.46 | 1289.25 |
| 第4季 Q4 | 449.73 | 194.52 | 1032.33 | 1114.13 |
| 104年 2015 | 459.88 | 213.63 | 1088.89 | 1309.40 |
| 第1季 Q1 | 498.74 | 221.18 | 1133.46 | 1325.76 |
| 第2季 Q2 | 468.79 | 212.89 | 1064.08 | 1430.28 |
| 第3季 Q3 | 430.04 | 217.81 | 1071.58 | 1304.06 |
| 第4季 Q4 | 446.02 | 203.26 | 1090.04 | 1188.37 |
| 105年 2016 | 487.99 | 219.20 | 1140.03 | 1324.07 |
| 第1季 Q1 | 484.61 | 220.41 | 1161.53 | 1304.01 |
| 第2季 Q2 | 482.17 | 210.76 | 1111.00 | 1443.21 |
| 第3季 Q3 | 469.61 | 224.99 | 1128.97 | 1335.90 |
| 第4季 Q4 | 515.80 | 220.66 | 1159.26 | 1216.89 |

[^10]TABLE 2 OUTPUT PER HOUR BY INDUSTRY（CONT．）

Unit：NT\＄／Hour

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 <br> Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 955.79 | 478.09 | 300.67 | 570.29 | 406.97 | 241.74 |
| 1084.04 | 487.57 | 272.57 | 559.99 | 414.16 | 249.07 |
| 1001.55 | 480.94 | 294.80 | 549.84 | 411.23 | 239.13 |
| 999.17 | 454.94 | 312.86 | 511.54 | 425.00 | 250.96 |
| 1291.27 | 489.98 | 338.06 | 497.58 | 475.64 | 257.61 |
| 1248.07 | 463.37 | 359.61 | 506.47 | 545.46 | 267.58 |
| 1141.47 | 425.05 | 357.77 | 504.22 | 585.87 | 269.93 |
| 1229.82 | 432.88 | 346.87 | 515.65 | 630.10 | 279.44 |
| 1275.96 | 438.69 | 360.22 | 498.93 | 659.31 | 287.87 |
| 1319.67 | 435.82 | 352.49 | 488.87 | 707.53 | 302.44 |
| 1244.90 | 434.16 | 350.70 | 511.45 | 689.59 | 280.24 |
| 942.28 | 436.34 | 350.91 | 497.92 | 637.06 | 271.91 |
| 1592.26 | 448.01 | 385.29 | 496.96 | 610.84 | 297.91 |
| 1117.20 | 443.61 | 359.82 | 501.38 | 714.88 | 292.77 |
| 1337.11 | 466.52 | 340.67 | 518.13 | 722.23 | 307.31 |
| 1053.52 | 441.84 | 346.02 | 507.91 | 732.55 | 275.36 |
| 785.07 | 426.67 | 358.30 | 494.87 | 696.26 | 283.95 |
| 1332.12 | 441.83 | 392.58 | 486.29 | 709.65 | 305.60 |
| 1099.20 | 447.63 | 357.72 | 488.21 | 711.40 | 294.95 |
| 944.38 | 455.07 | 351.33 | 492.11 | 756.39 | 308.39 |
| 1052.49 | 456.53 | 342.90 | 504.10 | 723.68 | 283.30 |
| 890.51 | 435.02 | 349.21 | 482.81 | 702.63 | 295.14 |
| 1499.86 | 444.84 | 386.35 | 475.22 | 667.37 | 293.55 |
| 1219.66 | 452.57 | 370.64 | 478.65 | 737.12 | 301.59 |
| 1212.83 | 473.57 | 371.95 | 479.40 | 751.25 | 309.00 |
| 1216.13 | 454.31 | 359.57 | 488.83 | 698.23 | 286.94 |
| 912.88 | 445.53 | 357.55 | 468.31 | 750.54 | 300.73 |
| 1521.23 | 439.11 | 392.77 | 478.59 | 749.73 | 309.76 |
| 1126.80 | 445.75 | 371.81 | 496.54 | 753.54 | 319.81 |
| 1129.68 | 458.18 | 360.76 | 504.17 | 799.04 | 330.09 |
| 1082.76 | 438.74 | 350.85 | 501.96 | 719.76 | 300.80 |
| 844.99 | 444.46 | 362.32 | 489.07 | 733.36 | 317.92 |
| 1436.37 | 442.63 | 411.54 | 491.66 | 764.13 | 330.20 |
| 1101.71 | 436.57 | 384.23 | 492.65 | 741.97 | 322.25 |
| 1096.32 | 450.57 | 376.46 | 496.22 | 821.41 | 335.38 |
| 1024.33 | 425.39 | 371.33 | 502.13 | 715.05 | 307.90 |
| 782.35 | 426.01 | 375.41 | 484.61 | 707.74 | 320.75 |
| 1502.05 | 444.95 | 412.13 | 488.28 | 730.42 | 325.17 |
| 1130.57 | 442.65 | 395.48 | 520.92 | 755.45 | 334.69 |
| 1069.22 | 455.90 | 383.94 | 513.98 | 796.01 | 344.77 |
| 1096.29 | 426.21 | 382.08 | 525.54 | 720.17 | 312.20 |
| 806.39 | 426.79 | 382.21 | 522.20 | 738.56 | 332.19 |
| 1545.28 | 462.47 | 433.13 | 521.77 | 769.04 | 350.24 |

[^11]表 3 產業別每就業者產出

單位：新臺幣元／每人每月

|  | 全體產業 <br> All Industries | 農林漁牧業 <br> Agriculture， forestry，fishing \＆ animal husbandry | 工業 | 礦業及土石採取業 <br> Mining \＆quarrying |
| :---: | :---: | :---: | :---: | :---: |
| 91年 2002 | 68214 | 27387 | 61134 | 261748 |
| 92年 2003 | 71252 | 27609 | 66481 | 211457 |
| 93年 2004 | 74909 | 28397 | 70717 | 243717 |
| 94年 2005 | 77991 | 29673 | 73891 | 224753 |
| 95年 2006 | 81512 | 35499 | 77311 | 193595 |
| 96年 2007 | 86378 | 36225 | 83871 | 210678 |
| 97年 2008 | 85527 | 36760 | 82613 | 201555 |
| 98年 2009 | 85202 | 35306 | 83468 | 219249 |
| 99年 2010 | 93883 | 35627 | 98581 | 358030 |
| 第1季 Q1 | 87153 | 31871 | 86926 | 311616 |
| 第2季 Q2 | 93106 | 36933 | 97009 | 328658 |
| 第3季 Q3 | 94963 | 34076 | 104226 | 356011 |
| 第4季 Q4 | 100176 | 39596 | 105739 | 432972 |
| 100年 2011 | 96335 | 37787 | 101191 | 356403 |
| 第1季 Q1 | 94395 | 34104 | 96185 | 328227 |
| 第2季 Q2 | 96110 | 39547 | 101334 | 349960 |
| 第3季 Q3 | 96515 | 34989 | 105117 | 339022 |
| 第4季 Q4 | 98282 | 42492 | 102051 | 406623 |
| 101年 2012 | 96904 | 36435 | 103364 | 346818 |
| 第1季 Q1 | 93189 | 32284 | 95038 | 352684 |
| 第2季 Q2 | 96106 | 38328 | 102260 | 315228 |
| 第3季 Q3 | 97755 | 35022 | 108878 | 314442 |
| 第4季 Q4 | 100515 | 40120 | 107220 | 406146 |
| 102年 2013 | 98175 | 36952 | 104290 | 341911 |
| 第1季 Q1 | 93928 | 31356 | 95402 | 343860 |
| 第2季 Q2 | 97146 | 40607 | 102965 | 314950 |
| 第3季 Q3 | 98691 | 33787 | 110471 | 323143 |
| 第4季 Q4 | 102888 | 42063 | 108266 | 384285 |
| 103年 2014 | 102294 | 37226 | 110743 | 334723 |
| 第1季 Q1 | 96873 | 32615 | 99319 | 320372 |
| 第2季 Q2 | 101564 | 40301 | 109475 | 316083 |
| 第3季 Q3 | 103877 | 32329 | 118497 | 290191 |
| 第4季 Q4 | 106808 | 43652 | 115603 | 416681 |
| 104年 2015 | 101081 | 33753 | 108745 | 298332 |
| 第1季 Q1 | 98807 | 31209 | 104031 | 307457 |
| 第2季 Q2 | 100575 | 36158 | 107965 | 294054 |
| 第3季 Q3 | 100688 | 29663 | 113325 | 260482 |
| 第4季 Q4 | 104236 | 37996 | 109638 | 330201 |
| 105年 2016 | 101984 | 31268 | 110731 | 278489 |
| 第1季 Q1 | 97039 | 27783 | 100816 | 271028 |
| 第2季 Q2 | 100482 | 32780 | 108346 | 295018 |
| 第3季 Q3 | 103152 | 28357 | 118250 | 245102 |
| 第4季 Q4 | 107226 | 36153 | 115473 | 303669 |

[^12]TABLE 3 OUTPUT PER EMPLOYED PERSON BY INDUSTRY

Unit：NT\＄／Per month per employed person

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 64208 | 254803 | 85003 | 42174 | 81751 | 84218 |
| 70407 | 260706 | 87349 | 42152 | 82773 | 86297 |
| 75452 | 279541 | 88584 | 43276 | 85348 | 90488 |
| 80311 | 292423 | 100752 | 40806 | 87748 | 96537 |
| 85004 | 298499 | 113514 | 40635 | 90584 | 100189 |
| 93781 | 277281 | 113650 | 40231 | 94155 | 104698 |
| 92768 | 275804 | 109367 | 36766 | 93363 | 106313 |
| 93526 | 339494 | 107908 | 35294 | 92347 | 106414 |
| 111881 | 351991 | 105502 | 39657 | 96737 | 112361 |
| 97265 | 310826 | 93918 | 40398 | 93669 | 110074 |
| 110753 | 286975 | 107467 | 40274 | 96437 | 110256 |
| 117909 | 366436 | 111654 | 43306 | 94288 | 106122 |
| 121056 | 443079 | 108692 | 34746 | 102522 | 123022 |
| 115920 | 360085 | 102580 | 38434 | 98808 | 115475 |
| 109502 | 327819 | 88544 | 41051 | 99529 | 119554 |
| 116352 | 292584 | 105949 | 40263 | 98073 | 113178 |
| 120219 | 371203 | 108117 | 40940 | 96287 | 108698 |
| 117493 | 449157 | 107933 | 31569 | 101338 | 120508 |
| 119198 | 365779 | 104348 | 37265 | 98315 | 114346 |
| 108407 | 313923 | 95123 | 39204 | 98133 | 117051 |
| 118319 | 251395 | 105154 | 38791 | 97468 | 111890 |
| 125904 | 335071 | 108065 | 40147 | 95924 | 107338 |
| 124096 | 562927 | 108847 | 30988 | 101711 | 121111 |
| 120684 | 379618 | 105156 | 36912 | 99843 | 115097 |
| 108964 | 315287 | 94769 | 39398 | 99101 | 117447 |
| 119666 | 258847 | 107191 | 38131 | 98556 | 111354 |
| 128301 | 365689 | 109730 | 39396 | 96684 | 107010 |
| 125762 | 579245 | 108796 | 30801 | 105000 | 124582 |
| 129703 | 385471 | 111527 | 36317 | 102616 | 119457 |
| 114320 | 350223 | 98757 | 38728 | 101591 | 121372 |
| 128786 | 303077 | 111486 | 37537 | 101872 | 117530 |
| 139491 | 378076 | 118711 | 38414 | 100306 | 111373 |
| 136123 | 511755 | 117341 | 30657 | 106664 | 127541 |
| 127894 | 355522 | 112124 | 35452 | 102300 | 118690 |
| 121359 | 342908 | 99364 | 37737 | 101923 | 122784 |
| 127735 | 275645 | 111027 | 36789 | 101657 | 116449 |
| 133467 | 354974 | 118947 | 37264 | 98603 | 109101 |
| 128990 | 448172 | 119253 | 30051 | 106997 | 126431 |
| 130625 | 371099 | 114216 | 34294 | 102801 | 118726 |
| 117615 | 337018 | 100633 | 35816 | 101542 | 119727 |
| 128048 | 321566 | 113517 | 35719 | 101645 | 114913 |
| 140374 | 366526 | 121254 | 36202 | 99581 | 110283 |
| 136419 | 459091 | 121006 | 29442 | 108403 | 129944 |

[^13]表3 產業別每就業者產出（續）

單位：新臺幣元／每人每月

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 66353 | 32719 | 137946 | 157796 |
| 92年 2003 | 65791 | 31692 | 147555 | 160709 |
| 93年 2004 | 68970 | 32169 | 149839 | 167080 |
| 94年 2005 | 72095 | 32502 | 150689 | 168434 |
| 95年 2006 | 73456 | 32619 | 149143 | 173279 |
| 96年 2007 | 77536 | 33889 | 154520 | 187077 |
| 97年 2008 | 76926 | 33160 | 162945 | 177470 |
| 98年 2009 | 75194 | 32535 | 163918 | 163459 |
| 99年 2010 | 80504 | 34322 | 178974 | 170960 |
| 第1季 Q1 | 82183 | 33425 | 169289 | 161665 |
| 第2季 Q2 | 80684 | 34239 | 177209 | 180709 |
| 第3季 Q3 | 77999 | 34954 | 183759 | 174424 |
| 第4季 Q4 | 81154 | 34665 | 185425 | 167078 |
| 100年 2011 | 80864 | 37674 | 176795 | 178237 |
| 第1季 Q1 | 81871 | 37202 | 172811 | 171505 |
| 第2季 Q2 | 79417 | 37715 | 167516 | 190302 |
| 第3季 Q3 | 78892 | 38183 | 183667 | 184099 |
| 第4季 Q4 | 83274 | 37581 | 182872 | 167098 |
| 101年 2012 | 81597 | 37464 | 173709 | 180844 |
| 第1季 Q1 | 84264 | 38037 | 173385 | 175857 |
| 第2季 Q2 | 79317 | 36527 | 166623 | 190595 |
| 第3季 Q3 | 79537 | 38552 | 178097 | 184599 |
| 第4季 Q4 | 83302 | 36745 | 176595 | 172343 |
| 102年 2013 | 85611 | 37732 | 175447 | 189933 |
| 第1季 Q1 | 87002 | 38075 | 173607 | 178970 |
| 第2季 Q2 | 83410 | 36236 | 170431 | 201229 |
| 第3季 Q3 | 83149 | 38990 | 178546 | 193403 |
| 第4季 Q4 | 88876 | 37623 | 179032 | 186118 |
| 103年 2014 | 84856 | 37608 | 175320 | 207274 |
| 第1季 Q1 | 86466 | 38557 | 174950 | 195309 |
| 第2季 Q2 | 84693 | 36736 | 170195 | 219985 |
| 第3季 Q3 | 83161 | 38672 | 177121 | 220547 |
| 第4季 Q4 | 85121 | 36475 | 178904 | 193314 |
| 104年 2015 | 83727 | 37538 | 179775 | 213060 |
| 第1季 Q1 | 85347 | 38304 | 174053 | 199993 |
| 第2季 Q2 | 84411 | 36467 | 174184 | 229900 |
| 第3季 Q3 | 80833 | 38393 | 183144 | 217108 |
| 第4季 Q4 | 84314 | 36992 | 187583 | 205273 |
| 105年 2016 | 86302 | 37622 | 183533 | 215977 |
| 第1季 Q1 | 83669 | 38186 | 181139 | 204940 |
| 第2季 Q2 | 85586 | 36293 | 179341 | 233982 |
| 第3季 Q3 | 84829 | 38262 | 186533 | 221355 |
| 第4季 Q4 | 91094 | 37742 | 186969 | 203720 |

[^14]TABLE 3 OUTPUT PER EMPLOYED PERSON BY INDUSTRY（CONT．）

Unit：NT\＄／Per month per employed person

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 <br> Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 165860 | 85185 | 56537 | 103299 | 78521 | 49922 |
| 192626 | 87434 | 51712 | 100157 | 78862 | 50792 |
| 185448 | 87408 | 56244 | 97938 | 77497 | 49364 |
| 185260 | 81340 | 59183 | 90968 | 79239 | 52002 |
| 234537 | 86723 | 65245 | 88146 | 88845 | 53486 |
| 220217 | 82473 | 68159 | 89507 | 101782 | 55494 |
| 203337 | 75568 | 67426 | 88618 | 106757 | 55826 |
| 221463 | 75769 | 64962 | 90192 | 116458 | 56590 |
| 228344 | 77401 | 69240 | 87891 | 121182 | 58400 |
| 221192 | 72174 | 64512 | 81559 | 125427 | 58138 |
| 223852 | 77849 | 67046 | 90163 | 125904 | 56180 |
| 173717 | 78666 | 68955 | 89688 | 120066 | 57117 |
| 291825 | 80826 | 76247 | 90098 | 113979 | 62150 |
| 199786 | 77376 | 69140 | 87569 | 130390 | 59276 |
| 221056 | 77265 | 63168 | 87068 | 127221 | 60159 |
| 187013 | 76818 | 66819 | 88885 | 133485 | 56780 |
| 146677 | 76857 | 70170 | 87995 | 130621 | 58685 |
| 245410 | 78538 | 76247 | 86358 | 130512 | 61470 |
| 195862 | 78138 | 68893 | 85557 | 130235 | 59834 |
| 162901 | 75099 | 64784 | 82259 | 135809 | 60316 |
| 187941 | 79522 | 66142 | 88933 | 130692 | 57112 |
| 161261 | 78249 | 68549 | 86237 | 130306 | 60517 |
| 270864 | 79673 | 75922 | 84897 | 124422 | 61405 |
|  | 78214 | 69654 | 83088 | 135296 | 60769 |
| 201792 | 76597 | 66302 | 79480 | 138558 | 60389 |
| 213773 | 77881 | 67189 | 85548 | 128155 | 58206 |
| 168180 | 78874 | 68736 | 82723 | 136699 | 61016 |
| 280554 | 79497 | 76224 | 84573 | 137989 | 63453 |
| 201858 | 77640 | 70064 | 85937 | 136811 | 63477 |
| 188916 | 74454 | 64984 | 82933 | 140689 | 62245 |
| 194832 | 77059 | 66616 | 87533 | 128551 | 59231 |
| 154590 | 78934 | 69258 | 87034 | 137540 | 63740 |
| 267177 | 80099 | 79170 | 86222 | 140822 | 68647 |
| 194199 | 74712 | 71482 | 84982 | 132974 | 62855 |
| 182052 | 72769 | 66935 | 80472 | 142109 | 62874 |
| 182755 | 72413 | 68301 | 85973 | 127463 | 59466 |
| 139823 | 74487 | 71308 | 86842 | 130200 | 63033 |
| 273133 | 79135 | 79279 | 86656 | 132496 | 66020 |
| 189687 | 73616 | 71303 | 86726 | 129997 | 63224 |
| 174177 | 73446 | 67965 | 83824 | 136757 | 64186 |
| 183072 | 71320 | 68722 | 87268 | 124561 | 60125 |
| 138859 | 72493 | 69889 | 88394 | 128799 | 63131 |
| 260940 | 77178 | 78575 | 87404 | 130023 | 65437 |

[^15]表4 產業別每一等就業者產出

單位：新臺幣元／每等就業者每月

|  | 全體產業 <br> All Industries | 農林漁牧業 <br> Agriculture， forestry，fishing \＆ animal husbandry | 工業 | 礦業及土石採取業 <br> Mining \＆quarrying |
| :---: | :---: | :---: | :---: | :---: |
| 91年 2002 | 68689 | 27728 | 61543 | 265017 |
| 92年 2003 | 71762 | 27964 | 66936 | 214353 |
| 93年 2004 | 75498 | 28754 | 71250 | 244810 |
| 94年 2005 | 78755 | 30121 | 74623 | 226855 |
| 95年 2006 | 82369 | 36259 | 78081 | 195793 |
| 96年 2007 | 86764 | 36626 | 84258 | 212705 |
| 97年 2008 | 85986 | 37141 | 83126 | 201942 |
| 98年 2009 | 85718 | 35699 | 84077 | 219249 |
| 99年 2010 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 94356 \\ 87672 \\ 93527 \\ 95463 \\ 100619 \end{array}$ | $\begin{aligned} & 36051 \\ & 32297 \\ & 37294 \\ & 34502 \\ & 40070 \end{aligned}$ | $\begin{array}{r} 99115 \\ 87498 \\ 97453 \\ 104818 \\ 106255 \end{array}$ | $\begin{aligned} & 360499 \\ & 311616 \\ & 328658 \\ & 361655 \\ & 438122 \end{aligned}$ |
| $\begin{array}{ll} \text { 100年 } & 2011 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | 96800 <br> 94876 <br> 96465 <br> 96994 <br> 98827 | $\begin{aligned} & 38460 \\ & 35029 \\ & 40071 \\ & 35321 \\ & 43407 \end{aligned}$ | $\begin{array}{r} 101634 \\ 96574 \\ 101678 \\ 105654 \\ 102557 \end{array}$ | $\begin{aligned} & 358105 \\ & 328227 \\ & 353443 \\ & 339022 \\ & 410446 \end{aligned}$ |
| 101年 2012 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 97382 \\ 93648 \\ 96602 \\ 98223 \\ 101004 \end{array}$ | $\begin{aligned} & 36860 \\ & 32912 \\ & 38644 \\ & 35326 \\ & 40535 \end{aligned}$ | $\begin{array}{r} 103883 \\ 95487 \\ 102928 \\ 109370 \\ 107682 \end{array}$ | $\begin{aligned} & 349076 \\ & 358463 \\ & 315228 \\ & 314442 \\ & 410439 \end{aligned}$ |
| $\begin{array}{ll} \text { 102年 } & 2013 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{array}{r} 98654 \\ 94394 \\ 97579 \\ 99244 \\ 103348 \end{array}$ | $\begin{aligned} & 37272 \\ & 31732 \\ & 40746 \\ & 34125 \\ & 42452 \end{aligned}$ | $\begin{array}{r} 104813 \\ 95842 \\ 103491 \\ 111099 \\ 108770 \end{array}$ | $\begin{aligned} & 341911 \\ & 343860 \\ & 314950 \\ & 323143 \\ & 384285 \end{aligned}$ |
| $\begin{array}{ll} 103 \text { 年 } & 2014 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{array}{r} 102746 \\ 97267 \\ 101978 \\ 104412 \\ 107274 \end{array}$ | $\begin{aligned} & 37525 \\ & 32931 \\ & 40478 \\ & 32609 \\ & 44060 \end{aligned}$ | 111228 <br> 99709 <br> 109981 <br> 119076 <br> 116076 | $\begin{aligned} & 339034 \\ & 320372 \\ & 316083 \\ & 295362 \\ & 431110 \end{aligned}$ |
| $\begin{array}{ll} \text { 104年 } & 2015 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{array}{r} 101523 \\ 99258 \\ 100988 \\ 101179 \\ 104649 \end{array}$ | $\begin{aligned} & 33986 \\ & 31420 \\ & 36375 \\ & 29912 \\ & 38241 \end{aligned}$ | $\begin{aligned} & 109258 \\ & 104556 \\ & 108510 \\ & 113877 \\ & 110066 \end{aligned}$ | $\begin{aligned} & 299918 \\ & 311478 \\ & 296673 \\ & 260482 \\ & 330201 \end{aligned}$ |
| $\begin{array}{ll} 105 \text { 年 } & 2016 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{array}{r} 102463 \\ 97519 \\ 100914 \\ 103763 \\ 107613 \end{array}$ | $\begin{aligned} & 31552 \\ & 27996 \\ & 32976 \\ & 28707 \\ & 36530 \end{aligned}$ | $\begin{aligned} & 111301 \\ & 101398 \\ & 108907 \\ & 118985 \\ & 115868 \end{aligned}$ | $\begin{aligned} & 280056 \\ & 271028 \\ & 295018 \\ & 248291 \\ & 306310 \end{aligned}$ |

[^16]
## TABLE 4 OUTPUT PER EQUI－EMPLOYED PERSON BY INDUSTRY

Unit：NT\＄／Per month per equi－employed person

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 64471 | 255307 | 85178 | 42870 | 82267 | 84627 |
| 70715 | 261414 | 87563 | 42850 | 83314 | 86728 |
| 75854 | 279824 | 88746 | 43992 | 85984 | 90964 |
| 80807 | 293628 | 101338 | 41767 | 88543 | 97268 |
| 85496 | 299629 | 114122 | 41639 | 91465 | 100960 |
| 94101 | 279496 | 114060 | 40575 | 94500 | 104983 |
| 93235 | 278449 | 109780 | 37147 | 93755 | 106679 |
| 94199 | 340331 | 108544 | 35578 | 92770 | 106768 |
| 112386 | 352405 | 106216 | 40002 | 97126 | 112706 |
| 97800 | 312025 | 94729 | 40819 | 94111 | 110449 |
| 111171 | 287226 | 107790 | 40586 | 96815 | 110615 |
| 118547 | 366436 | 112089 | 43608 | 94682 | 106412 |
| 121468 | 443079 | 109939 | 35081 | 102858 | 123376 |
| 116321 | 360715 | 102928 | 38735 | 99185 | 115802 |
| 109826 | 328703 | 89081 | 41369 | 99888 | 119808 |
| 116672 | 292831 | 106042 | 40504 | 98360 | 113456 |
| 120729 | 371203 | 108379 | 41293 | 96709 | 109090 |
| 117951 | 450705 | 108371 | 31849 | 101778 | 120884 |
| 119735 | 366389 | 104881 | 37523 | 98727 | 114678 |
| 108872 | 313923 | 95123 | 39472 | 98484 | 117313 |
| 119012 | 251527 | 105961 | 39144 | 97841 | 112254 |
| 126385 | 335999 | 108750 | 40423 | 96365 | 107708 |
| 124602 | 564824 | 109538 | 31142 | 102191 | 121436 |
| 121217 | 381151 | 105345 | 37188 | 100281 | 115506 |
| 109432 | 315287 | 95081 | 39636 | 99548 | 117790 |
| 120187 | 258847 | 107292 | 38450 | 98958 | 111714 |
| 128967 | 368907 | 109889 | 39701 | 97177 | 107501 |
| 126243 | 583575 | 108963 | 31040 | 105406 | 125014 |
| 130180 | 386818 | 111915 | 36567 | 103034 | 119881 |
| 114664 | 352822 | 98757 | 39012 | 101958 | 121693 |
| 129292 | 303517 | 111680 | 37817 | 102243 | 117917 |
| 140134 | 378076 | 119054 | 38649 | 100805 | 111950 |
| 136553 | 514379 | 118445 | 30859 | 107097 | 127934 |
| 128410 | 356751 | 112917 | 35695 | 102696 | 119031 |
| 121812 | 342940 | 100610 | 38076 | 102329 | 123059 |
| 128278 | 275877 | 111705 | 37075 | 101986 | 116732 |
| 134061 | 354974 | 119682 | 37502 | 99049 | 109485 |
| 129470 | 453943 | 119667 | 30180 | 107399 | 126845 |
| 131147 | 373693 | 114875 | 34600 | 103205 | 119069 |
| 118085 | 337929 | 100894 | 36253 | 101956 | 120155 |
| 128584 | 322429 | 114005 | 36031 | 101998 | 115175 |
| 141104 | 373852 | 122435 | 36523 | 100087 | 110704 |
| 136775 | 460368 | 121775 | 29616 | 108737 | 130188 |

[^17]表4 產業別每一等就業者產出（續）

單位：新臺幣元／每等就業者每月

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 66851 | 33062 | 138458 | 158233 |
| 92年 2003 | 66292 | 32034 | 148191 | 161168 |
| 93年 2004 | 69615 | 32568 | 150619 | 167729 |
| 94年 2005 | 72747 | 32986 | 151529 | 169024 |
| 95年 2006 | 74102 | 33193 | 149992 | 173759 |
| 96年 2007 | 77969 | 34033 | 155123 | 187639 |
| 97年 2008 | 77428 | 33315 | 163586 | 177815 |
| 98年 2009 | 75880 | 32670 | 164488 | 164137 |
| 99年 2010 | 81007 | 34484 | 179528 | 171574 |
| 第1季 Q1 | 82682 | 33623 | 169839 | 162515 |
| 第2季 Q2 | 81172 | 34412 | 177659 | 181137 |
| 第3季 Q3 | 78590 | 35162 | 184720 | 175041 |
| 第4季 Q4 | 81584 | 34733 | 185682 | 167615 |
| 100年 2011 | 81221 | 37832 | 177384 | 179208 |
| 第1季 Q1 | 82253 | 37346 | 172964 | 172339 |
| 第2季 Q2 | 79725 | 37858 | 168461 | 190578 |
| 第3季 Q3 | 79279 | 38375 | 184083 | 185570 |
| 第4季 Q4 | 83624 | 37734 | 183699 | 168348 |
| 101年 2012 | 82134 | 37654 | 174455 | 181404 |
| 第1季 Q1 | 84545 | 38159 | 174189 | 176438 |
| 第2季 Q2 | 79919 | 36663 | 167461 | 191126 |
| 第3季 Q3 | 80201 | 38868 | 178340 | 185158 |
| 第4季 Q4 | 83887 | 36935 | 177686 | 172906 |
| 102年 2013 | 86186 | 37930 | 176328 | 190640 |
| 第1季 Q1 | 87542 | 38268 | 174974 | 180019 |
| 第2季 Q2 | 84103 | 36463 | 170927 | 201775 |
| 第3季 Q3 | 83841 | 39192 | 179025 | 194297 |
| 第4季 Q4 | 89234 | 37788 | 180225 | 186433 |
| 103年 2014 | 85331 | 37767 | 175816 | 208049 |
| 第1季 Q1 | 86668 | 38727 | 175743 | 196480 |
| 第2季 Q2 | 85164 | 36883 | 170399 | 220636 |
| 第3季 Q3 | 83725 | 38831 | 178065 | 220991 |
| 第4季 Q4 | 85773 | 36638 | 178959 | 194086 |
| 104年 2015 | 84230 | 37692 | 180368 | 213664 |
| 第1季 Q1 | 85796 | 38527 | 174885 | 200594 |
| 第2季 Q2 | 84944 | 36536 | 174633 | 230862 |
| 第3季 Q3 | 81429 | 38589 | 183977 | 217696 |
| 第4季 Q4 | 84746 | 37126 | 187829 | 205570 |
| 105年 2016 | 86716 | 37793 | 184027 | 216639 |
| 第1季 Q1 | 83976 | 38325 | 181555 | 205392 |
| 第2季 Q2 | 85910 | 36413 | 179597 | 234525 |
| 第3季 Q3 | 85552 | 38525 | 187022 | 222493 |
| 第4季 Q4 | 91391 | 37905 | 187785 | 204246 |

[^18]TABLE 4 OUTPUT PER EQUI－EMPLOYED PERSON BY INDUSTRY（CONT．）

Unit：NT\＄／Per month per equi－employed person

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 <br> Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 166597 | 85630 | 57076 | 104009 | 79387 | 50305 |
| 193513 | 87921 | 52230 | 100850 | 79742 | 51189 |
| 186520 | 87999 | 56876 | 98754 | 78507 | 49789 |
| 186687 | 81888 | 60099 | 91603 | 80295 | 52622 |
| 235485 | 87375 | 66281 | 88895 | 90457 | 54187 |
| 220482 | 82809 | 68539 | 89890 | 102576 | 55677 |
| 204501 | 75865 | 67859 | 89089 | 107598 | 56044 |
| 222466 | 76090 | 65326 | 90620 | 117953 | 56872 |
| 229310 | 77622 | 69513 | 88430 | 121969 | 58644 |
| 223846 | 72458 | 64768 | 81953 | 126111 | 58493 |
| 223998 | 78058 | 67403 | 90806 | 126475 | 56354 |
| 174186 | 78782 | 69214 | 90174 | 120728 | 57410 |
| 292390 | 81094 | 76458 | 90743 | 115144 | 62300 |
| 200846 | 77663 | 69696 | 87949 | 130887 | 59426 |
| 221223 | 77612 | 63968 | 87390 | 127514 | 60357 |
| 187244 | 77105 | 67211 | 89067 | 134173 | 56860 |
| 147387 | 77127 | 70647 | 88473 | 130803 | 58843 |
| 248797 | 78787 | 76772 | 86886 | 131371 | 61639 |
| 196491 | 78455 | 69212 | 86244 | 131194 | 60019 |
| 163534 | 75633 | 64977 | 82962 | 136346 | 60503 |
| 188297 | 79721 | 66362 | 89444 | 131813 | 57272 |
| 161536 | 78506 | 68882 | 86727 | 131148 | 60720 |
| 272314 | 79939 | 76478 | 85918 | 125711 | 61598 |
| 217959 | 78611 | 70087 | 83555 | 135969 | 60897 |
| 203821 | 76997 | 66691 | 79909 | 139418 | 60532 |
| 214067 | 78284 | 67479 | 85866 | 129060 | 58293 |
| 168899 | 79235 | 69289 | 83443 | 137334 | 61143 |
| 281468 | 79920 | 76726 | 84963 | 138246 | 63606 |
| 202474 | 77955 | 70367 | 86335 | 137866 | 63751 |
| 189063 | 74825 | 65293 | 83159 | 141267 | 62494 |
| 194917 | 77238 | 66805 | 87907 | 129958 | 59512 |
| 156295 | 79368 | 69598 | 87549 | 138443 | 63994 |
| 267177 | 80373 | 79554 | 86704 | 142119 | 68958 |
| 194814 | 75046 | 71833 | 85558 | 133533 | 63064 |
| 182454 | 73268 | 67250 | 81078 | 142943 | 62983 |
| 183187 | 72756 | 68590 | 86497 | 127720 | 59575 |
| 139823 | 74654 | 71671 | 87527 | 131209 | 63368 |
| 275366 | 79456 | 79722 | 87143 | 132660 | 66316 |
| 190901 | 73858 | 71803 | 87295 | 130983 | 63411 |
| 176067 | 73553 | 68793 | 84285 | 138177 | 64399 |
| 184074 | 71718 | 69005 | 88066 | 125461 | 60283 |
| 139239 | 72748 | 70345 | 89075 | 129918 | 63339 |
| 262681 | 77379 | 78992 | 87750 | 130543 | 65608 |

[^19]基期：民國100年 $=100$


TABLE 5 INDEXES OF UNIT LABOR COSTS BY INDUSTRY

Base Period： $2011=100$

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 159.54 | 137.49 | 114.68 | 78.68 | 109.50 | 127.35 |
| 149.78 | 138.64 | 110.86 | 79.49 | 108.04 | 125.65 |
| 143.89 | 128.23 | 107.67 | 78.98 | 105.88 | 120.75 |
| 139.68 | 119.06 | 105.75 | 84.79 | 103.56 | 112.37 |
| 133.62 | 124.48 | 90.93 | 86.85 | 100.52 | 107.20 |
| 123.25 | 134.16 | 87.10 | 90.11 | 98.85 | 102.85 |
| 124.33 | 122.56 | 90.12 | 99.54 | 100.05 | 102.32 |
| 111.63 | 107.10 | 90.65 | 104.17 | 99.45 | 102.56 |
| 101.16 | 103.72 | 95.47 | 94.37 | 99.00 | 101.44 |
| 142.00 | 130.12 | 135.24 | 102.99 | 124.22 | 129.03 |
| 93.42 | 107.43 | 79.06 | 88.44 | 92.04 | 95.25 |
| 90.42 | 109.58 | 80.09 | 83.31 | 94.66 | 98.55 |
| 86.92 | 78.08 | 93.66 | 105.03 | 86.59 | 84.66 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 132.37 | 112.52 | 135.87 | 107.99 | 122.72 | 121.12 |
| 89.46 | 118.27 | 80.28 | 89.37 | 91.88 | 92.72 |
| 91.41 | 99.97 | 94.22 | 89.29 | 95.17 | 96.62 |
| 89.55 | 78.88 | 94.75 | 116.91 | 90.45 | 89.22 |
| 98.03 | 95.85 | 93.21 | 102.81 | 100.10 | 98.58 |
| 132.22 | 134.88 | 122.31 | 113.56 | 121.41 | 116.88 |
| 89.00 | 128.79 | 80.54 | 92.67 | 93.78 | 93.03 |
| 87.68 | 97.77 | 91.47 | 89.22 | 94.61 | 96.53 |
| 87.40 | 58.32 | 82.20 | 119.35 | 91.01 | 88.01 |
|  | 88.60 | 92.95 | 103.39 | 98.70 | 99.04 |
| 128.55 | 114.82 | 124.61 | 110.25 | 118.48 | 117.62 |
| 89.20 | 108.37 | 77.43 | 95.54 | 93.11 | 94.22 |
| 86.75 | 76.45 | 81.81 | 92.41 | 94.83 | 98.71 |
| 88.05 | 73.03 | 92.23 | 118.24 | 89.02 | 86.17 |
| 93.28 | 92.24 | 88.83 | 106.64 | 99.78 | 100.44 |
| 125.92 | 107.01 | 120.15 | 113.20 | 124.63 | 126.30 |
| 84.99 | 91.66 | 80.10 | 96.84 | 92.15 | 91.29 |
| $84.82$ | 116.95 | 85.13 | 97.98 | 94.50 | 98.57 |
| 82.49 | 63.74 | 74.25 | 121.08 | 88.55 | 86.05 |
| 97.95 | 102.25 | 87.54 | 109.59 | 101.94 | 103.10 |
| 127.98 | 106.23 | 115.82 | 119.74 | 128.75 | 130.31 |
| 87.55 | 102.48 | 78.81 | 97.52 | 94.02 | 93.38 |
| 91.20 | 120.55 | 87.32 | 99.46 | 96.64 | 101.53 |
| 87.02 | 84.78 | 72.22 | 124.12 | 88.95 | 87.12 |
| 96.93 | 96.19 | 83.36 | 111.97 | 102.04 | 103.35 |
| 130.73 | 106.12 | 106.80 | 122.55 | 126.61 | 127.59 |
| 88.22 | 151.21 | 87.24 | 104.20 | 95.10 | 95.26 |
| 87.60 | 74.00 | 71.30 | 100.79 | 98.17 | 103.47 |
| 85.62 | 68.28 | 73.01 | 122.28 | 89.23 | 88.14 |

## 表5 產業別單位產出勞動成本指數（續）

基期：民國100年 $=100$

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 114.87 | 100.79 | 115.47 | 96.35 |
| 92年 2003 | 114.12 | 100.82 | 109.41 | 92.99 |
| 93年 2004 | 111.16 | 98.51 | 105.78 | 91.88 |
| 94年 2005 | 109.95 | 98.06 | 108.82 | 89.43 |
| 95年 2006 | 107.18 | 97.60 | 109.13 | 92.24 |
| 96年 2007 | 102.54 | 95.52 | 110.10 | 93.88 |
| 97年 2008 | 104.02 | 102.90 | 104.15 | 93.14 |
| 98年 2009 | 102.21 | 107.30 | 100.61 | 95.49 |
| 99年 2010 | 97.62 | 103.45 | 95.70 | 100.33 |
| 第1季 Q1 | 106.49 | 120.87 | 125.27 | 146.01 |
| 第2季 Q2 | 85.93 | 95.65 | 96.49 | 86.44 |
| 第3季 Q3 | 107.17 | 95.56 | 84.60 | 83.49 |
| 第4季 Q4 | 91.23 | 102.33 | 79.45 | 89.22 |
| 100年 2011 | 100.00 | 100.00 | 100.00 | 100.00 |
| 第1季 Q1 | 115.13 | 118.54 | 126.76 | 147.81 |
| 第2季 Q2 | 89.26 | 88.68 | 104.70 | 81.45 |
| 第3季 Q3 | 107.46 | 92.54 | 88.06 | 83.03 |
| 第4季 Q4 | 88.26 | 100.82 | 83.30 | 90.93 |
| 101年 2012 | 97.89 | 101.83 | 102.54 | 99.69 |
| 第1季 Q1 | 108.57 | 117.96 | 126.16 | 143.53 |
| 第2季 Q2 | 89.60 | 95.88 | 105.25 | 86.02 |
| 第3季 Q3 | 98.59 | 92.75 | 91.66 | 82.15 |
| 第4季 Q4 | 94.52 | 100.82 | 88.55 | 88.81 |
| 102年 2013 | 92.78 | 102.27 | 99.20 | 94.82 |
| 第1季 Q1 | 104.46 | 114.38 | 123.01 | 136.34 |
| 第2季 Q2 | 86.30 | 100.63 | 99.48 | 81.96 |
| 第3季 Q3 | 93.24 | 94.89 | 90.90 | 78.55 |
| 第4季 Q4 | 87.21 | 99.44 | 84.87 | 85.62 |
| 103年 2014 | 93.85 | 106.31 | 100.46 | 92.79 |
| 第1季 Q1 | 104.98 | 121.70 | 128.01 | 137.50 |
| 第2季 Q2 | 84.39 | 103.44 | 98.86 | 79.35 |
| 第3季 Q3 | 100.66 | 96.50 | 90.88 | 75.34 |
| 第4季 Q4 | 85.41 | 103.44 | 85.36 | 82.92 |
| 104年 2015 | 97.38 | 109.53 | 98.40 | 92.11 |
| 第1季 Q1 | 109.52 | 128.04 | 129.76 | 138.24 |
| 第2季 Q2 | 85.47 | 105.01 | 96.28 | 79.80 |
| 第3季 Q3 | 103.93 | 99.49 | 88.23 | 73.53 |
| 第4季 Q4 | 90.82 | 105.48 | 81.46 | 80.66 |
| 105年 2016 | 96.35 | 109.29 | 97.97 | 91.49 |
| 第1季 Q1 | 113.86 | 125.31 | 123.36 | 134.04 |
| 第2季 Q2 | 86.22 | 106.05 | 96.98 | 79.94 |
| 第3季 Q3 | 101.27 | 100.05 | 89.81 | 77.32 |
| 第4季 Q4 | 85.28 | 105.63 | 83.06 | 77.67 |

TABLE 5 INDEXES OF UNIT LABOR COSTS BY INDUSTRY（CONT．）

Base Period： $2011=100$

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 117.64 | 75.47 | 129.54 | 76.91 | 140.00 | 107.18 |
| 100.39 | 76.44 | 134.45 | 82.04 | 137.87 | 104.40 |
| 102.86 | 79.85 | 122.54 | 83.20 | 152.61 | 108.99 |
| 99.84 | 88.62 | 116.71 | 89.83 | 148.72 | 107.10 |
| 77.39 | 83.94 | 106.09 | 92.24 | 138.74 | 103.17 |
| 82.19 | 90.97 | 102.83 | 92.90 | 121.63 | 98.34 |
| 94.36 | 101.11 | 103.03 | 96.23 | 117.15 | 96.02 |
| 83.29 | 92.30 | 101.92 | 94.15 | 104.90 | 96.52 |
| 85.90 | 96.00 | 97.77 | 96.55 | 106.60 | 96.81 |
| 108.62 | 119.63 | 112.44 | 121.87 | 117.81 | 113.20 |
| 81.51 | 90.02 | 98.97 | 88.53 | 98.96 | 93.18 |
| 103.15 | 88.19 | 94.61 | 89.85 | 102.58 | 95.64 |
| 63.29 | 88.51 | 87.55 | 88.54 | 106.67 | 85.81 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 124.47 | 118.07 | 116.64 | 119.13 | 118.29 | 114.72 |
| 94.24 | 93.98 | 100.63 | 91.95 | 91.39 | 97.85 |
| 115.63 | 93.94 | 95.83 | 95.04 | 95.73 | 95.11 |
| 75.20 | 94.55 | 89.69 | 94.42 | 93.95 | 92.50 |
| 96.07 | 100.90 | 102.36 | 103.05 | 105.78 | 99.84 |
| 130.68 | 127.37 | 117.00 | 124.16 | 114.66 | 109.03 |
| 92.05 | 91.89 | 104.24 | 92.75 | 97.13 | 102.71 |
| 113.11 | 92.01 | 100.18 | 97.29 | 100.92 | 91.73 |
| 68.06 | 93.70 | 90.64 | 99.18 | 110.01 | 96.15 |
|  | 99.02 | 101.77 | 105.26 | 105.56 | 99.99 |
| 116.18 | 115.55 | 114.83 | 125.27 | 120.54 | 109.60 |
| 81.44 | 91.55 | 104.04 | 98.19 | 106.86 | 97.16 |
| 107.76 | 91.93 | 100.18 | 100.17 | 96.50 | 94.89 |
| 64.17 | 97.37 | 90.21 | 98.95 | 97.81 | 98.30 |
| 102.26 | 103.06 | 104.27 | 104.16 | 103.62 | 100.62 |
| 140.43 | 127.71 | 120.88 | 127.27 | 115.84 | 117.01 |
| 92.80 | 94.01 | 106.30 | 96.36 | 103.75 | 100.79 |
| 121.92 | 93.44 | 103.71 | 96.05 | 99.38 | 90.54 |
| 72.00 | 98.22 | 89.89 | 98.23 | 95.01 | 95.00 |
| 104.49 | 108.74 | 104.51 | 110.18 | 106.67 | 100.09 |
| 141.53 | 135.08 | 121.53 | 140.57 | 113.86 | 118.49 |
| 104.65 | 101.82 | 106.22 | 100.69 | 105.35 | 101.17 |
| 128.61 | 101.75 | 101.97 | 100.83 | 105.03 | 89.74 |
| 67.12 | 97.61 | 91.18 | 100.67 | 102.13 | 91.51 |
| 104.32 | 111.31 | 105.33 | 109.74 | 111.90 | 98.79 |
| 135.73 | 135.44 | 120.87 | 137.72 | 122.50 | 109.65 |
| 99.79 | 105.72 | 104.89 | 101.07 | 110.53 | 99.81 |
| 134.69 | 104.51 | 103.53 | 100.07 | 107.36 | 92.13 |
| 71.39 | 100.10 | 93.97 | 101.51 | 106.69 | 93.64 |

## 表6 產業別就業者工時指數

基期：民國100年 $=100$

|  | 全體產業 <br> All Industries | 農林漁牧業 <br> Agriculture， forestry，fishing \＆ animal husbandry | 工業 | 礦業及土石採取業 <br> Mining \＆quarrying |
| :---: | :---: | :---: | :---: | :---: |
| 91年 2002 | 90.95 | 134.25 | 87.73 | 234.46 |
| 92年 2003 | 91.44 | 131.66 | 88.20 | 219.05 |
| 93年 2004 | 94.54 | 124.11 | 92.47 | 187.93 |
| 94年 2005 | 95.61 | 113.50 | 94.57 | 176.24 |
| 95年 2006 | 96.69 | 105.18 | 96.09 | 165.81 |
| 96年 2007 | 97.94 | 100.83 | 98.14 | 153.30 |
| 97年 2008 | 98.32 | 99.61 | 98.06 | 144.36 |
| 98年 2009 | 95.14 | 100.03 | 91.84 | 117.49 |
| $\begin{array}{ll} \text { 99年 } & 2010 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{array}{r} 99.16 \\ 92.78 \\ 99.16 \\ 101.82 \\ 102.89 \end{array}$ | $\begin{array}{r} 101.90 \\ 98.83 \\ 103.29 \\ 101.59 \\ 103.90 \end{array}$ | $\begin{array}{r} 98.29 \\ 90.20 \\ 98.81 \\ 101.42 \\ 102.74 \end{array}$ | $\begin{aligned} & 106.90 \\ & 100.71 \\ & 106.33 \\ & 106.76 \\ & 113.77 \end{aligned}$ |
| 100年 2011 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 100.00 \\ 94.97 \\ 99.70 \\ 103.22 \\ 102.11 \end{array}$ | $\begin{array}{r} 100.00 \\ 98.91 \\ 101.33 \\ 101.04 \\ 98.72 \end{array}$ | $\begin{array}{r} 100.00 \\ 94.52 \\ 100.07 \\ 103.41 \\ 102.00 \end{array}$ | $\begin{array}{r} 100.00 \\ 99.51 \\ 94.32 \\ 99.88 \\ 106.30 \end{array}$ |
| 101年 2012 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 101.25 \\ 96.30 \\ 101.38 \\ 103.23 \\ 104.09 \end{array}$ | $\begin{array}{r} 99.64 \\ 100.17 \\ 97.85 \\ 99.38 \\ 101.17 \end{array}$ | $\begin{array}{r} 100.48 \\ 95.30 \\ 101.52 \\ 102.40 \\ 102.69 \end{array}$ | $\begin{array}{r} 102.52 \\ 91.56 \\ 106.20 \\ 105.13 \\ 107.23 \end{array}$ |
| $\begin{array}{ll} \text { 102年 } & 2013 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q44 } \end{array}$ | $\begin{array}{r} 101.62 \\ 95.76 \\ 101.33 \\ 104.07 \\ 105.32 \end{array}$ | $\begin{array}{r} 100.48 \\ 98.07 \\ 100.19 \\ 100.87 \\ 102.79 \end{array}$ | $\begin{array}{r} 100.84 \\ 94.19 \\ 100.81 \\ 103.82 \\ 104.55 \end{array}$ | $\begin{array}{r} 99.10 \\ 91.46 \\ 103.45 \\ 95.20 \\ 106.32 \end{array}$ |
| 103年 2014 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 103.03 \\ 96.51 \\ 102.47 \\ 105.66 \\ 107.49 \end{array}$ | $\begin{array}{r} 102.80 \\ 99.00 \\ 103.27 \\ 103.14 \\ 105.78 \end{array}$ | $\begin{array}{r} 102.33 \\ 95.36 \\ 101.67 \\ 105.61 \\ 106.68 \end{array}$ | $\begin{array}{r} 96.78 \\ 90.58 \\ 98.58 \\ 101.91 \\ 96.02 \end{array}$ |
| 104年 2015 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 102.86 \\ 97.59 \\ 102.36 \\ 105.14 \\ 106.36 \end{array}$ | $\begin{aligned} & 105.12 \\ & 103.80 \\ & 104.38 \\ & 105.50 \\ & 106.78 \end{aligned}$ | $\begin{array}{r} 101.35 \\ 95.46 \\ 101.49 \\ 104.11 \\ 104.32 \end{array}$ | $\begin{array}{r} 99.48 \\ 89.64 \\ 98.41 \\ 101.63 \\ 108.26 \end{array}$ |
| 105年 2016 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{array}{r} 100.26 \\ 97.41 \\ 100.38 \\ 101.98 \\ 101.27 \end{array}$ | $\begin{aligned} & 102.96 \\ & 104.50 \\ & 103.72 \\ & 101.64 \\ & 101.98 \end{aligned}$ | $\begin{aligned} & 97.86 \\ & 94.04 \\ & 98.13 \\ & 99.84 \\ & 99.42 \end{aligned}$ | $\begin{aligned} & 93.43 \\ & 87.82 \\ & 90.70 \\ & 98.38 \\ & 96.84 \end{aligned}$ |

TABLE 6 INDEXES OF EMPLOYED HOURS BY INDUSTRY

Base Period： $2011=100$

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 88.28 | 98.39 | 70.85 | 86.24 | 89.09 | 98.77 |
| 89.59 | 98.82 | 76.43 | 83.26 | 89.90 | 98.32 |
| 93.75 | 99.32 | 83.19 | 87.97 | 93.17 | 102.39 |
| 94.66 | 97.83 | 80.05 | 95.15 | 94.62 | 100.93 |
| 95.44 | 97.10 | 77.00 | 99.88 | 96.31 | 101.07 |
| 97.61 | 96.76 | 86.20 | 101.03 | 97.50 | 102.06 |
| 97.57 | 96.90 | 93.62 | 100.05 | 98.40 | 101.80 |
| 91.38 | 99.53 | 94.19 | 92.93 | 97.15 | 99.75 |
| 98.99 | 101.14 | 100.98 | 95.36 | 99.55 | 100.67 |
| 90.74 | 94.33 | 93.77 | 87.70 | 94.14 | 96.05 |
| 99.55 | 100.54 | 100.17 | 95.88 | 99.01 | 101.33 |
| 102.47 | 104.17 | 102.90 | 97.33 | 102.16 | 102.29 |
| 103.19 | 105.52 | 107.07 | 100.53 | 102.90 | 102.99 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 94.79 | 96.17 | 96.18 | 93.26 | 94.92 | 94.57 |
| 100.64 | 98.43 | 96.45 | 98.44 | 99.25 | 99.94 |
| 103.25 | 103.11 | 102.21 | 104.12 | 103.30 | 102.86 |
| 101.31 | 102.29 | 105.17 | 104.18 | 102.53 | 102.63 |
| 100.12 | 103.60 | 104.19 | 101.31 | 101.99 | 100.99 |
| 94.86 | 98.80 | 96.60 | 96.68 | 96.68 | 96.04 |
| 101.08 | 104.04 | 104.11 | 102.76 | 101.62 | 101.94 |
| 102.36 | 105.22 | 108.12 | 101.91 | 104.24 | 102.79 |
| 102.18 | 106.35 | 107.92 | 103.88 | 105.44 | 103.18 |
| 100.56 | 101.78 | 105.37 | 101.42 | 102.32 | 100.98 |
| 93.63 | 95.68 | 97.48 | 95.90 | 96.72 | 94.21 |
| 100.30 | 102.32 | 103.74 | 102.35 | 101.84 | 100.45 |
| 103.85 | 103.66 | 110.50 | 103.10 | 104.59 | 103.77 |
| 104.46 | 105.45 | 109.75 | 104.33 | 106.15 | 105.50 |
| 101.73 | 102.92 | 104.05 | 104.37 | 103.59 | 102.24 |
| 94.61 | 97.78 | 99.93 | 97.62 | 97.14 | 95.92 |
| 101.28 | 102.27 | 105.59 | 102.73 | 102.99 | 101.79 |
| 105.33 | 105.19 | 104.47 | 106.78 | 105.95 | 104.94 |
| 105.71 | 106.45 | 106.21 | 110.34 | 108.27 | 106.29 |
| 100.68 | 104.96 | 101.55 | 103.65 | 103.79 | 101.62 |
| 94.75 | 94.88 | 95.24 | 98.10 | 98.59 | 96.63 |
| 100.72 | 106.54 | 102.37 | 104.07 | 102.82 | 101.66 |
| 103.75 | 106.94 | 104.53 | 105.34 | 105.88 | 103.58 |
| 103.50 | 111.46 | 104.06 | 107.09 | 107.88 | 104.60 |
| 97.05 | 104.30 | 97.91 | 100.64 | 101.82 | 98.89 |
| 93.26 | 101.28 | 92.97 | 96.80 | 99.27 | 95.50 |
| 97.12 | 106.71 | 97.48 | 101.61 | 101.76 | 98.67 |
| 99.18 | 105.02 | 100.58 | 102.03 | 103.64 | 101.73 |
| 98.62 | 104.20 | 100.59 | 102.11 | 102.60 | 99.65 |

## 表6 產業別就業者工時指數（續）

基期：民國100年 $=100$

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 101.59 | 83.52 | 88.02 | 90.28 |
| 92年 2003 | 102.31 | 85.66 | 86.02 | 89.90 |
| 93年 2004 | 105.65 | 83.37 | 90.14 | 93.43 |
| 94年 2005 | 102.37 | 89.63 | 91.49 | 96.27 |
| 95年 2006 | 103.06 | 94.53 | 95.32 | 96.70 |
| 96年 2007 | 101.70 | 95.67 | 94.79 | 95.26 |
| 97年 2008 | 100.95 | 96.90 | 93.94 | 97.15 |
| 98年 2009 | 98.39 | 97.20 | 95.65 | 97.83 |
| 99年 2010 | 99.47 | 102.13 | 96.37 | 101.82 |
| 第1季 Q1 | 93.67 | 97.59 | 90.35 | 94.02 |
| 第2季 Q2 | 99.80 | 99.62 | 95.54 | 100.73 |
| 第3季 Q3 | 100.53 | 106.12 | 98.51 | 105.23 |
| 第4季 Q4 | 103.90 | 105.20 | 101.09 | 107.29 |
| 100年 2011 | 100.00 | 100.00 | 100.00 | 100.00 |
| 第1季 Q1 | 94.06 | 97.33 | 93.07 | 94.51 |
| 第2季 Q2 | 97.26 | 98.70 | 98.26 | 97.63 |
| 第3季 Q3 | 104.48 | 102.88 | 104.74 | 105.11 |
| 第4季 Q4 | 104.19 | 101.09 | 103.93 | 102.75 |
| 101年 2012 | 100.79 | 104.29 | 105.07 | 100.55 |
| 第1季 Q1 | 94.13 | 98.51 | 97.36 | 95.48 |
| 第2季 Q2 | 99.80 | 102.02 | 105.26 | 100.27 |
| 第3季 Q3 | 103.64 | 107.14 | 108.56 | 102.83 |
| 第4季 Q4 | 105.58 | 109.50 | 109.09 | 103.63 |
| 102年 2013 | 102.40 | 106.88 | 105.92 | 97.92 |
| 第1季 Q1 | 95.26 | 104.34 | 98.19 | 91.94 |
| 第2季 Q2 | 101.22 | 107.37 | 104.01 | 97.34 |
| 第3季 Q3 | 105.91 | 107.05 | 109.82 | 100.63 |
| 第4季 Q4 | 107.21 | 108.78 | 111.66 | 101.75 |
| 103年 2014 | 104.20 | 108.15 | 109.40 | 97.19 |
| 第1季 Q1 | 97.57 | 101.40 | 99.87 | 90.15 |
| 第2季 Q2 | 104.01 | 106.06 | 108.36 | 96.49 |
| 第3季 Q3 | 106.80 | 109.56 | 113.53 | 100.02 |
| 第4季 Q4 | 108.40 | 115.56 | 115.83 | 102.12 |
| 104年 2015 | 104.45 | 109.97 | 110.89 | 96.31 |
| 第1季 Q1 | 97.88 | 107.42 | 102.65 | 89.15 |
| 第2季 Q2 | 103.27 | 106.65 | 109.07 | 95.04 |
| 第3季 Q3 | 107.66 | 110.68 | 115.70 | 98.42 |
| 第4季 Q4 | 108.97 | 115.14 | 116.13 | 102.61 |
| 105年 2016 | 102.05 | 109.17 | 109.16 | 97.49 |
| 第1季 Q1 | 99.35 | 109.85 | 104.51 | 93.46 |
| 第2季 Q2 | 102.42 | 109.16 | 108.22 | 96.51 |
| 第3季 Q3 | 104.10 | 108.41 | 112.60 | 99.27 |
| 第4季 Q4 | 102.33 | 109.27 | 111.31 | 100.74 |

TABLE 6 INDEXES OF EMPLOYED HOURS BY INDUSTRY（CONT．）

Base Period： $2011=100$

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及 <br> 技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 45.61 | 66.15 | 62.71 | 73.48 | 127.67 | 92.19 |
| 50.23 | 67.91 | 71.90 | 75.61 | 130.31 | 91.21 |
| 65.28 | 71.76 | 73.86 | 78.44 | 134.14 | 96.98 |
| 73.15 | 77.80 | 77.57 | 82.21 | 134.98 | 98.09 |
| 77.01 | 79.77 | 83.27 | 84.86 | 128.22 | 99.67 |
| 84.39 | 90.55 | 85.97 | 87.03 | 116.73 | 99.88 |
| 85.40 | 95.21 | 91.82 | 89.61 | 109.87 | 100.74 |
| 78.96 | 93.39 | 91.60 | 91.09 | 104.21 | 98.31 |
| 86.04 | 97.04 | 95.73 | 95.31 | 104.80 | 99.55 |
| 77.70 | 90.24 | 89.30 | 89.63 | 100.20 | 94.43 |
| 82.04 | 98.28 | 95.60 | 95.21 | 98.95 | 97.47 |
| 91.05 | 99.10 | 97.86 | 98.42 | 108.24 | 103.87 |
| 93.38 | 100.54 | 100.14 | 97.98 | 111.84 | 102.44 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 86.34 | 92.87 | 96.31 | 94.68 | 101.39 | 95.55 |
| 98.08 | 98.82 | 99.37 | 99.16 | 95.97 | 101.52 |
| 107.99 | 104.38 | 101.51 | 102.14 | 102.92 | 102.86 |
| 107.59 | 103.93 | 102.82 | 104.02 | 99.72 | 100.07 |
| 102.92 | 101.03 | 105.44 | 102.92 | 102.70 | 101.22 |
| 99.66 | 95.36 | 98.82 | 97.58 | 99.51 | 97.20 |
| 103.15 | 100.24 | 105.54 | 100.27 | 98.61 | 101.12 |
| 104.11 | 104.07 | 108.46 | 106.27 | 104.31 | 101.96 |
| 104.76 | 104.46 | 108.95 | 107.54 | 108.37 | 104.62 |
| 105.23 | 101.46 | 104.32 | 103.92 | 103.09 | 100.59 |
| 95.26 | 95.06 | 97.44 | 97.66 | 104.62 | 97.86 |
| 102.89 | 100.21 | 102.81 | 103.39 | 105.64 | 100.88 |
| 108.76 | 103.35 | 107.66 | 108.12 | 100.67 | 101.14 |
| 114.00 | 107.20 | 109.37 | 106.53 | 101.44 | 102.48 |
| 113.35 | 104.20 | 108.58 | 104.58 | 103.30 | 99.44 |
| 103.78 | 97.40 | 101.79 | 98.73 | 101.09 | 94.40 |
| 111.97 | 104.33 | 109.13 | 105.32 | 104.82 | 98.25 |
| 116.58 | 105.75 | 111.00 | 108.13 | 105.77 | 100.44 |
| 121.09 | 109.32 | 112.39 | 106.14 | 101.55 | 104.67 |
| 113.64 | 104.80 | 110.05 | 106.43 | 106.65 | 98.23 |
| 106.49 | 98.41 | 104.35 | 100.26 | 99.89 | 94.45 |
| 115.33 | 103.91 | 108.68 | 105.97 | 107.24 | 96.91 |
| 116.26 | 107.30 | 112.41 | 110.25 | 110.91 | 98.91 |
| 116.48 | 109.59 | 114.77 | 109.25 | 108.55 | 102.67 |
| 108.68 | 103.45 | 108.84 | 103.44 | 105.58 | 95.43 |
| 103.48 | 99.60 | 106.48 | 100.90 | 104.29 | 94.12 |
| 106.82 | 103.57 | 108.09 | 102.65 | 107.30 | 97.06 |
| 112.42 | 106.24 | 110.67 | 105.05 | 108.56 | 95.84 |
| 112.01 | 104.38 | 110.13 | 105.16 | 102.19 | 94.71 |

表7 產業別就業者指數

基期：民國100年 $=100$

|  | 全體產業 <br> All Industries | 農林漁牧業 <br> Agriculture， forestry，fishing \＆ animal husbandry | 工業 | 礦業及土石採取業 <br> Mining \＆quarrying |
| :---: | :---: | :---: | :---: | :---: |
| 91年 2002 | 89.31 | 130.87 | 87.06 | 230.35 |
| 92年 2003 | 89.91 | 128.34 | 87.31 | 217.90 |
| 93年 2004 | 91.94 | 118.40 | 90.30 | 183.56 |
| 94年 2005 | 93.55 | 108.87 | 93.01 | 176.29 |
| 95年 2006 | 95.24 | 102.26 | 95.08 | 164.33 |
| 96年 2007 | 96.93 | 100.19 | 97.35 | 150.70 |
| 97年 2008 | 97.73 | 98.75 | 98.47 | 143.03 |
| 98年 2009 | 95.85 | 100.14 | 94.68 | 118.25 |
| $\begin{array}{ll} \text { 99年 } & 2010 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{aligned} & 97.87 \\ & 96.87 \\ & 97.45 \\ & 98.39 \\ & 98.77 \end{aligned}$ | $\begin{aligned} & 101.47 \\ & 101.40 \\ & 101.94 \\ & 100.78 \\ & 101.77 \end{aligned}$ | $\begin{aligned} & 96.86 \\ & 94.78 \\ & 96.49 \\ & 97.81 \\ & 98.36 \end{aligned}$ | $\begin{aligned} & 104.56 \\ & 104.48 \\ & 103.58 \\ & 102.13 \\ & 108.05 \end{aligned}$ |
| $\begin{aligned} & \text { 100年 } 2011 \\ & \text { 第1季 Q1 } \\ & \text { 第2季 Q2 } \\ & \text { 第3季 Q3 } \\ & \text { 第4季 Q4 } \end{aligned}$ | $\begin{array}{r} 100.00 \\ 98.98 \\ 99.58 \\ 100.59 \\ 100.84 \end{array}$ | $\begin{array}{r} 100.00 \\ 100.04 \\ 99.61 \\ 99.88 \\ 100.48 \end{array}$ | $\begin{array}{r} 100.00 \\ 98.96 \\ 99.93 \\ 100.47 \\ 100.64 \end{array}$ | $\begin{array}{r} 100.00 \\ 104.58 \\ 94.36 \\ 96.79 \\ 104.28 \end{array}$ |
| 101年 2012 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 101.59 \\ & 100.98 \\ & 101.26 \\ & 101.88 \\ & 102.24 \end{aligned}$ | $\begin{aligned} & 100.39 \\ & 100.65 \\ & 100.12 \\ & 100.35 \\ & 100.44 \end{aligned}$ | $\begin{aligned} & 101.12 \\ & 100.73 \\ & 100.89 \\ & 101.33 \\ & 101.52 \end{aligned}$ | $\begin{array}{r} 101.72 \\ 96.81 \\ 105.91 \\ 101.80 \\ 102.38 \end{array}$ |
| $\begin{array}{ll} 102 \text { 年 } & 2013 \\ \text { 第1季 } & \text { Q1 } \\ \text { 第2季 } & \text { Q2 } \\ \text { 第3季 } & \text { Q3 } \\ \text { 第4季 } & \text { Q4 } \end{array}$ | $\begin{aligned} & 102.65 \\ & 102.18 \\ & 102.35 \\ & 102.91 \\ & 103.18 \end{aligned}$ | $\begin{aligned} & 100.32 \\ & 100.24 \\ & 100.18 \\ & 100.49 \\ & 100.36 \end{aligned}$ | $\begin{aligned} & 101.89 \\ & 101.62 \\ & 101.58 \\ & 102.05 \\ & 102.33 \end{aligned}$ | $\begin{array}{r} 98.87 \\ 96.47 \\ 103.55 \\ 92.86 \\ 102.58 \end{array}$ |
| 103年 2014 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 103.76 \\ & 103.29 \\ & 103.46 \\ & 103.97 \\ & 104.32 \end{aligned}$ | 101.12 <br> 101.10 <br> 100.67 <br> 101.21 <br> 101.51 | $\begin{aligned} & 102.89 \\ & 102.52 \\ & 102.67 \\ & 103.11 \\ & 103.27 \end{aligned}$ | $\begin{array}{r} 96.60 \\ 92.86 \\ 98.33 \\ 101.46 \\ 93.75 \end{array}$ |
| 104年 2015 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 105.01 \\ & 104.68 \\ & 104.82 \\ & 105.20 \\ & 105.33 \end{aligned}$ | $\begin{aligned} & 102.32 \\ & 102.23 \\ & 102.06 \\ & 102.60 \\ & 102.38 \end{aligned}$ | $\begin{aligned} & 103.68 \\ & 103.46 \\ & 103.57 \\ & 103.89 \\ & 103.79 \end{aligned}$ | $\begin{array}{r} 101.25 \\ 97.74 \\ 99.68 \\ 101.56 \\ 106.01 \end{array}$ |
| 105年 2016 <br> 第1季 Q1 <br> 第2季 Q2 <br> 第3季 Q3 <br> 第4季 Q4 | $\begin{aligned} & 105.67 \\ & 105.39 \\ & 105.40 \\ & 105.82 \\ & 106.07 \end{aligned}$ | $\begin{aligned} & 102.82 \\ & 102.62 \\ & 102.95 \\ & 103.01 \\ & 102.72 \end{aligned}$ | $\begin{aligned} & 103.90 \\ & 103.72 \\ & 103.72 \\ & 104.00 \\ & 104.14 \end{aligned}$ | $\begin{array}{r} 97.90 \\ 94.15 \\ 93.30 \\ 102.11 \\ 102.04 \end{array}$ |

TABLE 7 INDEXES OF EMPLOYED PERSONS BY INDUSTRY

Base Period： $2011=100$

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 87.20 | 97.16 | 70.05 | 87.15 | 86.66 | 96.00 |
| 88.16 | 98.30 | 75.55 | 84.40 | 87.84 | 96.27 |
| 90.91 | 98.38 | 81.45 | 88.22 | 90.41 | 97.88 |
| 92.62 | 97.74 | 77.66 | 95.27 | 92.35 | 97.88 |
| 94.17 | 96.38 | 75.15 | 99.85 | 94.62 | 99.75 |
| 96.39 | 96.19 | 83.06 | 101.92 | 96.27 | 101.07 |
| 97.85 | 95.71 | 90.27 | 101.35 | 97.06 | 100.37 |
| 94.62 | 98.46 | 92.63 | 94.85 | 96.27 | 98.39 |
| 97.02 | 99.52 | 98.94 | 95.96 | 98.25 | 99.06 |
| 94.87 | 98.99 | 97.28 | 94.03 | 97.96 | 99.46 |
| 96.52 | 99.24 | 97.81 | 96.13 | 97.70 | 99.00 |
| 98.23 | 100.17 | 99.43 | 96.05 | 98.57 | 98.97 |
| 98.46 | 99.69 | 101.23 | 97.65 | 98.77 | 98.81 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 98.73 | 100.74 | 101.47 | 99.46 | 98.89 | 98.97 |
| 100.21 | 99.93 | 96.77 | 99.25 | 99.32 | 99.87 |
| 100.53 | 99.52 | 99.82 | 100.35 | 100.76 | 100.48 |
| 100.53 | 99.80 | 101.94 | 100.94 | 101.03 | 100.69 |
| 100.87 | 100.11 | 104.58 | 101.71 | 102.06 | 102.09 |
| 100.52 | 99.38 | 103.05 | 101.32 | 101.21 | 101.41 |
| 100.77 | 100.37 | 104.26 | 100.99 | 101.65 | 102.07 |
| 101.07 | 100.63 | 105.49 | 101.88 | 102.44 | 102.37 |
| 101.11 | 100.05 | 105.52 | 102.64 | 102.96 | 102.53 |
| 101.32 | 99.47 | 106.12 | 103.64 | 103.46 | 103.06 |
| 101.14 | 100.01 | 105.17 | 103.07 | 102.80 | 102.78 |
| 101.14 | 99.55 | 105.96 | 102.81 | 103.14 | 103.03 |
| 101.42 | 98.95 | 107.06 | 103.95 | 103.81 | 103.23 |
| 101.58 | 99.36 | 106.31 | 104.72 | 104.11 | 103.22 |
| 101.97 | 99.79 | 104.68 | 106.13 | 104.68 | 103.50 |
| 101.63 | 100.68 | 105.42 | 105.51 | 104.09 | 103.02 |
| 101.82 | 99.34 | 105.46 | 105.59 | 104.34 | 103.20 |
| 102.21 | 100.33 | 103.79 | 106.34 | 104.91 | 103.79 |
| 102.23 | 98.79 | 104.04 | 107.09 | 105.40 | 103.98 |
| 102.53 | 102.30 | 104.09 | 107.76 | 106.29 | 104.45 |
| 102.36 | 100.20 | 104.20 | 107.43 | 105.85 | 104.08 |
| 102.46 | 103.29 | 105.01 | 107.39 | 106.05 | 104.19 |
| 102.75 | 102.41 | 104.04 | 107.97 | 106.46 | 104.69 |
| 102.56 | 103.30 | 103.09 | 108.27 | 106.79 | 104.83 |
| 102.68 | 103.34 | 104.20 | 108.24 | 107.30 | 105.08 |
| 102.52 | 103.49 | 102.16 | 108.21 | 106.93 | 104.91 |
| 102.51 | 102.93 | 103.48 | 108.13 | 106.92 | 104.77 |
| 102.74 | 103.55 | 105.52 | 108.34 | 107.47 | 105.21 |
| 102.94 | 103.41 | 105.64 | 108.27 | 107.86 | 105.43 |

表7 產業別就業者指數（續）

基期：民國100年 $=100$

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 99.02 | 79.50 | 87.56 | 88.84 |
| 92年 2003 | 100.78 | 81.00 | 85.84 | 88.41 |
| 93年 2004 | 102.18 | 83.05 | 89.33 | 91.46 |
| 94年 2005 | 100.29 | 87.11 | 91.17 | 94.88 |
| 95年 2006 | 101.70 | 91.43 | 95.74 | 95.18 |
| 96年 2007 | 101.13 | 93.54 | 94.78 | 94.51 |
| 97年 2008 | 100.76 | 94.33 | 93.32 | 96.06 |
| 98年 2009 | 97.93 | 95.26 | 95.19 | 96.49 |
| 99年 2010 | 98.38 | 99.84 | 95.39 | 100.03 |
| 第1季 Q1 | 97.28 | 99.89 | 94.90 | 99.14 |
| 第2季 Q2 | 97.49 | 99.48 | 93.82 | 99.00 |
| 第3季 Q3 | 98.22 | 100.56 | 95.57 | 100.84 |
| 第4季 Q4 | 100.52 | 99.42 | 97.27 | 101.16 |
| 100年 2011 | 100.00 | 100.00 | 100.00 | 100.00 |
| 第1季 Q1 | 99.67 | 98.49 | 98.13 | 99.66 |
| 第2季 Q2 | 99.22 | 98.66 | 99.24 | 99.26 |
| 第3季 Q3 | 100.78 | 101.62 | 101.01 | 100.75 |
| 第4季 Q4 | 100.33 | 101.23 | 101.62 | 100.32 |
| 101年 2012 | 100.91 | 103.02 | 104.88 | 99.63 |
| 第1季 Q1 | 99.08 | 101.73 | 102.84 | 99.67 |
| 第2季 Q2 | 100.45 | 102.39 | 104.29 | 99.61 |
| 第3季 Q3 | 101.83 | 103.52 | 106.15 | 99.51 |
| 第4季 Q4 | 102.29 | 104.43 | 106.24 | 99.73 |
| 102年 2013 | 103.53 | 106.51 | 107.36 | 98.66 |
| 第1季 Q1 | 101.86 | 105.26 | 105.42 | 98.86 |
| 第2季 Q2 | 103.11 | 106.04 | 106.36 | 98.90 |
| 第3季 Q3 | 104.32 | 106.91 | 108.70 | 98.54 |
| 第4季 Q4 | 104.81 | 107.84 | 108.98 | 98.34 |
| 103年 2014 | 105.34 | 108.84 | 110.83 | 97.30 |
| 第1季 Q1 | 104.41 | 108.25 | 108.63 | 97.11 |
| 第2季 Q2 | 104.91 | 108.14 | 110.23 | 97.36 |
| 第3季 Q3 | 105.74 | 109.00 | 111.84 | 97.04 |
| 第4季 Q4 | 106.30 | 109.96 | 112.63 | 97.68 |
| 104年 2015 | 106.48 | 111.67 | 113.18 | 98.23 |
| 第1季 Q1 | 106.16 | 110.68 | 112.65 | 98.09 |
| 第2季 Q2 | 106.46 | 111.10 | 112.27 | 98.13 |
| 第3季 Q3 | 106.31 | 112.04 | 114.08 | 98.12 |
| 第4季 Q4 | 107.00 | 112.88 | 113.71 | 98.60 |
| 105年 2016 | 107.10 | 113.49 | 114.26 | 99.20 |
| 第1季 Q1 | 106.80 | 113.13 | 112.93 | 98.70 |
| 第2季 Q2 | 107.10 | 113.11 | 112.97 | 98.80 |
| 第3季 Q3 | 106.97 | 113.74 | 114.84 | 99.44 |
| 第4季 Q4 | 107.54 | 113.99 | 116.30 | 99.88 |

TABLE 7 INDEXES OF EMPLOYED PERSONS BY INDUSTRY（CONT．）

Base Period： $2011=100$

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 47.00 | 64.75 | 64.08 | 70.85 | 120.69 | 90.38 |
| 50.55 | 66.06 | 72.82 | 73.84 | 124.82 | 90.55 |
| 63.05 | 68.87 | 74.39 | 76.91 | 129.83 | 95.12 |
| 70.55 | 75.90 | 78.80 | 80.74 | 132.05 | 95.84 |
| 75.82 | 78.62 | 82.91 | 83.66 | 125.20 | 97.19 |
| 85.53 | 88.73 | 87.15 | 86.01 | 114.10 | 97.51 |
| 85.73 | 93.41 | 93.62 | 89.05 | 109.98 | 98.62 |
| 78.41 | 93.06 | 93.99 | 90.95 | 102.84 | 98.29 |
| 85.98 | 95.93 | 95.69 | 94.49 | 104.00 | 99.36 |
| 82.90 | 95.05 | 93.76 | 93.83 | 103.09 | 99.46 |
| 81.59 | 95.60 | 96.09 | 94.33 | 98.84 | 98.44 |
| 88.32 | 95.88 | 95.70 | 95.43 | 104.75 | 100.12 |
| 91.11 | 97.20 | 97.24 | 94.39 | 109.32 | 99.42 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 93.39 | 97.81 | 99.80 | 98.40 | 104.98 | 98.83 |
| 98.80 | 99.14 | 98.87 | 98.96 | 96.06 | 99.68 |
| 103.37 | 101.07 | 99.60 | 100.33 | 100.06 | 100.77 |
| 104.44 | 101.98 | 101.73 | 102.30 | 98.90 | 100.73 |
| 103.29 | 100.95 | 105.20 | 102.57 | 102.32 | 101.03 |
| 103.31 | 100.78 | 102.98 | 101.95 | 101.08 | 100.62 |
| 103.30 | 100.38 | 105.13 | 99.27 | 99.59 | 101.56 |
| 102.81 | 100.92 | 106.17 | 103.92 | 102.59 | 100.68 |
| 103.74 | 101.73 | 106.54 | 105.14 | 106.02 | 101.26 |
| 105.79 | 102.40 | 106.67 | 104.56 | 102.44 | 101.07 |
| 102.39 | 102.51 | 105.04 | 102.88 | 103.46 | 101.38 |
| 104.67 | 101.96 | 105.72 | 103.19 | 104.98 | 100.69 |
| 105.57 | 101.83 | 107.61 | 106.91 | 100.81 | 100.93 |
| 110.54 | 103.28 | 108.29 | 105.29 | 100.53 | 101.29 |
| 113.16 | 104.34 | 110.72 | 105.54 | 103.78 | 101.44 |
| 110.98 | 104.54 | 108.58 | 104.83 | 104.72 | 101.36 |
| 111.28 | 103.60 | 110.44 | 105.49 | 107.04 | 101.02 |
| 113.95 | 103.86 | 111.58 | 106.13 | 102.86 | 101.43 |
| 116.42 | 105.37 | 112.26 | 105.71 | 100.51 | 101.93 |
| 115.29 | 106.82 | 113.67 | 107.76 | 108.54 | 101.97 |
| 114.68 | 106.29 | 112.77 | 107.97 | 105.31 | 102.00 |
| 115.60 | 106.47 | 113.54 | 108.10 | 109.73 | 101.59 |
| 116.33 | 107.04 | 113.72 | 107.46 | 109.96 | 101.91 |
| 114.55 | 107.47 | 114.64 | 107.52 | 109.15 | 102.38 |
| 115.84 | 108.50 | 116.00 | 108.51 | 111.91 | 102.28 |
| 113.59 | 107.84 | 115.59 | 108.06 | 110.72 | 102.36 |
| 114.39 | 107.96 | 115.48 | 107.97 | 113.15 | 102.04 |
| 116.74 | 109.09 | 116.30 | 108.39 | 113.54 | 102.10 |
| 118.62 | 109.10 | 116.64 | 109.64 | 110.24 | 102.63 |

## 表 8 產業別等就業者指數

基期：民國100年 $=100$

|  | 全體產業 <br> All Industries | 農林漁牧業 <br> Agriculture， forestry，fishing \＆ animal husbandry | 工業 | 礦業及土石採取業 <br> Mining \＆quarrying |
| :---: | :---: | :---: | :---: | :---: |
| 91年 2002 | 89.12 | 131.56 | 86.86 | 228.60 |
| 92年 2003 | 89.70 | 128.97 | 87.10 | 215.98 |
| 93年 2004 | 91.66 | 119.01 | 90.02 | 183.61 |
| 94年 2005 | 93.09 | 109.17 | 92.50 | 175.49 |
| 95年 2006 | 94.70 | 101.90 | 94.56 | 163.26 |
| 96年 2007 | 96.96 | 100.86 | 97.33 | 149.98 |
| 97年 2008 | 97.67 | 99.48 | 98.29 | 143.44 |
| 98年 2009 | 95.73 | 100.80 | 94.40 | 118.81 |
| 99年 2010 | 97.85 | 102.07 | 96.76 | 104.34 |
| 第1季 Q1 | 96.76 | 101.84 | 94.57 | 104.98 |
| 第2季 Q2 | 97.48 | 102.76 | 96.47 | 104.07 |
| 第3季 Q3 | 98.34 | 101.31 | 97.68 | 101.01 |
| 第4季 Q4 | 98.81 | 102.36 | 98.31 | 107.29 |
| 100年 2011 | 100.00 | 100.00 | 100.00 | 100.00 |
| 第1季 Q1 | 98.96 | 99.13 | 99.00 | 105.08 |
| 第2季 Q2 | 99.69 | 100.05 | 100.03 | 93.87 |
| 第3季 Q3 | 100.58 | 100.70 | 100.39 | 97.25 |
| 第4季 Q4 | 100.77 | 100.11 | 100.58 | 103.80 |
| 101年 2012 | 101.58 | 101.00 | 101.06 | 101.55 |
| 第1季 Q1 | 100.97 | 100.49 | 100.70 | 95.70 |
| 第2季 Q2 | 101.22 | 101.07 | 100.68 | 106.42 |
| 第3季 Q3 | 101.88 | 101.26 | 101.32 | 102.28 |
| 第4季 Q4 | 102.24 | 101.18 | 101.53 | 101.79 |
| 102年 2013 | 102.65 | 101.23 | 101.83 | 99.34 |
| 第1季 Q1 | 102.16 | 100.82 | 101.59 | 96.93 |
| 第2季 Q2 | 102.38 | 101.61 | 101.51 | 104.05 |
| 第3季 Q3 | 102.83 | 101.27 | 101.92 | 93.31 |
| 第4季 Q4 | 103.21 | 101.21 | 102.30 | 103.07 |
| 103年 2014 | 103.80 | 102.10 | 102.89 | 95.83 |
| 第1季 Q1 | 103.36 | 101.91 | 102.57 | 93.31 |
| 第2季 Q2 | 103.54 | 102.01 | 102.65 | 98.79 |
| 第3季 Q3 | 103.94 | 102.13 | 103.06 | 100.16 |
| 第4季 Q4 | 104.37 | 102.36 | 103.30 | 91.05 |
| 104年 2015 | 105.06 | 103.43 | 103.64 | 101.19 |
| 第1季 Q1 | 104.71 | 103.35 | 103.39 | 96.93 |
| 第2季 Q2 | 104.90 | 103.26 | 103.50 | 99.27 |
| 第3季 Q3 | 105.20 | 103.56 | 103.84 | 102.05 |
| 第4季 Q4 | 105.42 | 103.53 | 103.84 | 106.52 |
| 105年 2016 | 105.68 | 103.71 | 103.82 | 97.82 |
| 第1季 Q1 | 105.38 | 103.65 | 103.58 | 94.60 |
| 第2季 Q2 | 105.46 | 104.16 | 103.64 | 93.75 |
| 第3季 Q3 | 105.70 | 103.57 | 103.81 | 101.28 |
| 第4季 Q4 | 106.20 | 103.46 | 104.24 | 101.65 |

TABLE 8 INDEXES OF EQUI－EMPLOYED PERSONS BY INDUSTRY

Base Period： $2011=100$

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 87.14 | 97.13 | 70.14 | 86.41 | 86.44 | 95.80 |
| 88.08 | 98.20 | 75.62 | 83.68 | 87.60 | 96.07 |
| 90.75 | 98.46 | 81.57 | 87.46 | 90.08 | 97.64 |
| 92.37 | 97.51 | 77.47 | 93.80 | 91.87 | 97.42 |
| 93.95 | 96.19 | 75.00 | 98.20 | 94.06 | 99.26 |
| 96.39 | 95.60 | 83.04 | 101.84 | 96.29 | 101.08 |
| 97.69 | 94.97 | 90.24 | 101.09 | 97.03 | 100.31 |
| 94.27 | 98.39 | 92.40 | 94.83 | 96.20 | 98.34 |
| 96.92 | 99.58 | 98.61 | 95.88 | 98.23 | 99.04 |
| 94.68 | 98.79 | 96.78 | 93.79 | 97.87 | 99.41 |
| 96.49 | 99.33 | 97.85 | 96.13 | 97.69 | 98.96 |
| 98.04 | 100.34 | 99.38 | 96.13 | 98.53 | 98.98 |
| 98.46 | 99.86 | 100.42 | 97.47 | 98.82 | 98.81 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 98.78 | 100.65 | 101.20 | 99.46 | 98.91 | 99.04 |
| 100.28 | 100.02 | 97.02 | 99.43 | 99.41 | 99.90 |
| 100.45 | 99.70 | 99.92 | 100.27 | 100.71 | 100.40 |
| 100.48 | 99.64 | 101.87 | 100.84 | 100.98 | 100.66 |
| 100.77 | 100.12 | 104.40 | 101.80 | 102.03 | 102.09 |
| 100.44 | 99.56 | 103.40 | 101.42 | 101.23 | 101.47 |
| 100.53 | 100.49 | 103.82 | 100.86 | 101.65 | 102.02 |
| 101.04 | 100.53 | 105.18 | 101.98 | 102.36 | 102.31 |
| 101.05 | 99.89 | 105.21 | 102.93 | 102.87 | 102.55 |
|  | 99.24 |  | 103.67 | 103.41 | 102.99 |
| 101.05 | 100.19 | 105.18 | 103.25 | 102.73 | 102.77 |
| 101.05 | 99.72 | 106.22 | 102.76 | 103.12 | 102.99 |
| 101.25 | 98.26 | 107.26 | 103.96 | 103.68 | 103.05 |
| 101.54 | 98.79 | 106.51 | 104.72 | 104.10 | 103.16 |
| 101.95 | 99.61 | 104.67 | 106.23 | 104.66 | 103.43 |
| 101.68 | 100.11 | 105.78 | 105.56 | 104.11 | 103.04 |
| 101.77 | 99.37 | 105.63 | 105.63 | 104.36 | 103.16 |
| 102.09 | 100.50 | 103.85 | 106.52 | 104.79 | 103.55 |
| 102.26 | 98.46 | 103.42 | 107.21 | 105.37 | 103.96 |
| 102.48 | 102.13 | 103.71 | 107.87 | 106.28 | 104.44 |
| 102.34 | 100.36 | 103.26 | 107.31 | 105.83 | 104.15 |
| 102.38 | 103.39 | 104.73 | 107.40 | 106.11 | 104.23 |
| 102.65 | 102.59 | 103.75 | 108.12 | 106.39 | 104.62 |
| 102.53 | 102.17 | 103.08 | 108.65 | 106.80 | 104.78 |
| 102.62 | 102.81 | 103.95 | 108.12 | 107.28 | 105.07 |
| 102.46 | 103.39 | 102.24 | 107.74 | 106.90 | 104.84 |
| 102.44 | 102.84 | 103.38 | 108.03 | 106.96 | 104.82 |
| 102.56 | 101.70 | 104.85 | 108.23 | 107.34 | 105.10 |
| 103.03 | 103.30 | 105.33 | 108.47 | 107.94 | 105.53 |

表 8 產業別等就業者指數（續）

基期：民國100年 $=100$

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 98.71 | 79.01 | 87.53 | 89.08 |
| 92年 2003 | 100.47 | 80.48 | 85.75 | 88.64 |
| 93年 2004 | 101.68 | 82.38 | 89.16 | 91.61 |
| 94年 2005 | 99.83 | 86.19 | 90.96 | 95.07 |
| 95年 2006 | 101.26 | 90.22 | 95.52 | 95.43 |
| 96年 2007 | 101.01 | 93.53 | 94.73 | 94.74 |
| 97年 2008 | 100.55 | 94.29 | 93.27 | 96.40 |
| 98年 2009 | 97.48 | 95.27 | 95.17 | 96.61 |
| 99年 2010 | 98.20 | 99.79 | 95.41 | 100.22 |
| 第1季 Q1 | 97.12 | 99.72 | 94.91 | 99.16 |
| 第2季 Q2 | 97.33 | 99.40 | 93.90 | 99.30 |
| 第3季 Q3 | 97.91 | 100.39 | 95.39 | 101.03 |
| 第4季 Q4 | 100.43 | 99.64 | 97.46 | 101.38 |
| 100年 2011 | 100.00 | 100.00 | 100.00 | 100.00 |
| 第1季 Q1 | 99.65 | 98.52 | 98.37 | 99.72 |
| 第2季 Q2 | 99.27 | 98.70 | 99.01 | 99.66 |
| 第3季 Q3 | 100.73 | 101.53 | 101.12 | 100.50 |
| 第4季 Q4 | 100.35 | 101.25 | 101.50 | 100.12 |
| 101年 2012 | 100.69 | 102.93 | 104.78 | 99.86 |
| 第1季 Q1 | 99.18 | 101.83 | 102.71 | 99.88 |
| 第2季 Q2 | 100.13 | 102.44 | 104.11 | 99.88 |
| 第3季 Q3 | 101.44 | 103.11 | 106.36 | 99.75 |
| 第4季 Q4 | 102.03 | 104.33 | 105.94 | 99.95 |
| 102年 2013 | 103.29 | 106.40 | 107.18 | 98.83 |
| 第1季 Q1 | 101.68 | 105.17 | 104.94 | 98.82 |
| 第2季 Q2 | 102.71 | 105.82 | 106.40 | 99.17 |
| 第3季 Q3 | 103.92 | 106.80 | 108.77 | 98.62 |
| 第4季 Q4 | 104.85 | 107.82 | 108.62 | 98.71 |
| 103年 2014 | 105.22 | 108.83 | 110.89 | 97.46 |
| 第1季 Q1 | 104.63 | 108.23 | 108.50 | 97.05 |
| 第2季 Q2 | 104.79 | 108.16 | 110.47 | 97.60 |
| 第3季 Q3 | 105.49 | 109.01 | 111.62 | 97.37 |
| 第4季 Q4 | 105.96 | 109.93 | 112.97 | 97.82 |
| 104年 2015 | 106.31 | 111.68 | 113.18 | 98.49 |
| 第1季 Q1 | 106.07 | 110.50 | 112.48 | 98.33 |
| 第2季 Q2 | 106.26 | 111.35 | 112.36 | 98.26 |
| 第3季 Q3 | 106.00 | 111.94 | 113.94 | 98.39 |
| 第4季 Q4 | 106.92 | 112.94 | 113.94 | 98.99 |
| 105年 2016 | 107.06 | 113.45 | 114.33 | 99.44 |
| 第1季 Q1 | 106.89 | 113.19 | 113.05 | 99.02 |
| 第2季 Q2 | 107.17 | 113.21 | 113.19 | 99.11 |
| 第3季 Q3 | 106.53 | 113.44 | 114.92 | 99.47 |
| 第4季 Q4 | 107.67 | 113.97 | 116.18 | 100.16 |

TABLE 8 INDEXES OF EQUI－EMPLOYED PERSONS BY INDUSTRY（CONT．）

Base Period： $2011=100$

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及 <br> 技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 47.04 | 64.66 | 63.99 | 70.67 | 119.83 | 89.92 |
| 50.59 | 65.93 | 72.68 | 73.65 | 123.91 | 90.08 |
| 63.02 | 68.66 | 74.15 | 76.61 | 128.64 | 94.55 |
| 70.38 | 75.67 | 78.22 | 80.53 | 130.81 | 94.95 |
| 75.92 | 78.32 | 82.27 | 83.32 | 123.44 | 96.18 |
| 85.88 | 88.70 | 87.37 | 86.02 | 113.65 | 97.43 |
| 85.69 | 93.39 | 93.77 | 88.96 | 109.53 | 98.48 |
| 78.47 | 93.01 | 94.22 | 90.92 | 101.92 | 98.05 |
| 86.07 | 96.01 | 96.08 | 94.33 | 103.72 | 99.19 |
| 82.35 | 95.03 | 94.14 | 93.78 | 102.92 | 99.11 |
| 81.97 | 95.70 | 96.35 | 94.06 | 98.77 | 98.38 |
| 88.55 | 96.09 | 96.11 | 95.33 | 104.57 | 99.86 |
| 91.42 | 97.24 | 97.75 | 94.13 | 108.63 | 99.43 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 93.82 | 97.73 | 99.35 | 98.47 | 105.14 | 98.75 |
| 99.20 | 99.14 | 99.09 | 99.19 | 95.93 | 99.79 |
| 103.41 | 101.09 | 99.72 | 100.22 | 100.30 | 100.75 |
| 103.57 | 102.04 | 101.84 | 102.12 | 98.63 | 100.71 |
| 103.51 | 100.92 | 105.56 | 102.19 | 101.96 | 100.97 |
| 103.46 | 100.44 | 103.50 | 101.53 | 101.07 | 100.56 |
| 103.65 | 100.50 | 105.63 | 99.13 | 99.12 | 101.53 |
| 103.18 | 100.96 | 106.51 | 103.78 | 102.32 | 100.59 |
| 103.74 | 101.77 | 106.61 | 104.34 | 105.33 | 101.20 |
| 105.86 | 102.26 | 106.86 | 104.43 | 102.32 | 101.12 |
| 101.91 | 102.36 | 105.26 | 102.77 | 103.21 | 101.40 |
| 105.08 | 101.81 | 106.12 | 103.25 | 104.64 | 100.80 |
| 105.68 | 101.74 | 107.61 | 106.44 | 100.72 | 100.97 |
| 110.76 | 103.11 | 108.45 | 105.26 | 100.72 | 101.30 |
| 113.41 | 104.31 | 111.12 | 105.51 | 103.38 | 101.26 |
| 111.48 | 104.41 | 108.94 | 105.00 | 104.68 | 101.21 |
| 111.82 | 103.75 | 111.01 | 105.49 | 106.28 | 100.80 |
| 113.31 | 103.68 | 111.93 | 105.96 | 102.58 | 101.29 |
| 117.04 | 105.40 | 112.62 | 105.58 | 99.97 | 101.73 |
| 115.53 | 106.74 | 114.02 | 107.50 | 108.50 | 101.89 |
| 115.03 | 105.95 | 113.15 | 107.63 | 105.10 | 102.09 |
| 115.94 | 106.36 | 113.97 | 107.91 | 109.93 | 101.66 |
| 116.95 | 107.20 | 114.05 | 107.08 | 109.53 | 101.63 |
| 114.22 | 107.44 | 114.92 | 107.38 | 109.43 | 102.18 |
| 115.71 | 108.54 | 116.12 | 108.27 | 111.49 | 102.24 |
| 112.97 | 108.08 | 115.12 | 107.93 | 110.00 | 102.28 |
| 114.37 | 107.76 | 115.93 | 107.45 | 112.77 | 102.03 |
| 117.04 | 109.12 | 116.47 | 108.03 | 112.99 | 102.02 |
| 118.46 | 109.22 | 116.96 | 109.68 | 110.22 | 102.63 |

表9 產業別總薪資指數

基期：民國100年 $=100$

|  | 全體產業 <br> All Industries | 農林漁牧業 <br> Agriculture， forestry，fishing \＆ animal husbandry | 工業 | 礦業及土石採取業 <br> Mining \＆quarrying |
| :---: | :---: | :---: | :---: | :---: |
| 91年 2002 | 79.26 | 119.67 | 76.87 | 185.57 |
| 92年 2003 | 80.51 | 114.47 | 79.06 | 189.00 |
| 93年 2004 | 83.88 | 104.49 | 83.84 | 156.83 |
| 94年 2005 | 86.91 | 97.85 | 88.79 | 154.68 |
| 95年 2006 | 89.27 | 92.15 | 91.99 | 160.90 |
| 96年 2007 | 92.78 | 91.50 | 95.88 | 141.21 |
| 97年 2008 | 94.01 | 98.26 | 96.87 | 133.94 |
| 98年 2009 | 88.80 | 101.77 | 86.71 | 107.50 |
| 99年 2010 | 95.22 | 102.28 | 94.62 | 100.94 |
| 第1季 Q1 | 113.02 | 99.89 | 110.81 | 124.58 |
| 第2季 Q2 | 87.84 | 103.09 | 86.63 | 81.68 |
| 第3季 Q3 | 90.13 | 103.06 | 90.59 | 98.32 |
| 第4季 Q4 | 89.90 | 103.07 | 90.43 | 99.20 |
| 100年 2011 | 100.00 | 100.00 | 100.00 | 100.00 |
| 第1季 Q1 | 121.05 | 99.33 | 121.21 | 136.97 |
| 第2季 Q2 | 90.82 | 98.64 | 90.49 | 87.96 |
| 第3季 Q3 | 94.56 | 101.82 | 95.53 | 91.84 |
| 第4季 Q4 | 93.57 | 100.21 | 92.77 | 83.23 |
| 101年 2012 | 101.55 | 100.44 | 101.49 | 98.96 |
| 第1季 Q1 | 121.49 | 100.15 | 122.55 | 118.43 |
| 第2季 Q2 | 93.54 | 103.07 | 92.01 | 85.35 |
| 第3季 Q3 | 95.07 | 100.22 | 96.03 | 105.92 |
| 第4季 Q4 | 96.09 | 98.34 | 95.36 | 86.15 |
| 102年 2013 | 102.76 | 100.37 | 102.35 | 99.59 |
| 第1季 Q1 | 120.77 | 99.36 | 120.62 | 119.74 |
| 第2季 Q2 | 95.10 | 100.93 | 93.62 | 88.00 |
| 第3季 Q3 | 96.78 | 99.78 | 97.17 | 76.82 |
| 第4季 Q4 | 98.39 | 101.40 | 97.99 | 113.81 |
| 103年 2014 | 107.53 | 106.23 | 106.28 | 96.95 |
| 第1季 Q1 | 128.90 | 105.14 | 124.52 | 120.33 |
| 第2季 Q2 | 98.32 | 105.98 | 96.50 | 82.94 |
| 第3季 Q3 | 102.42 | 107.69 | 104.52 | 88.89 |
| 第4季 Q4 | 100.46 | 106.10 | 99.57 | 95.64 |
| 104年 2015 | 111.25 | 109.92 | 110.03 | 99.44 |
| 第1季 Q1 | 136.83 | 109.13 | 133.84 | 135.34 |
| 第2季 Q2 | 101.33 | 111.66 | 98.64 | 85.09 |
| 第3季 Q3 | 104.75 | 110.30 | 107.25 | 86.73 |
| 第4季 Q4 | 102.08 | 108.58 | 100.39 | 90.60 |
| 105年 2016 | 112.56 | 110.60 | 110.79 | 94.08 |
| 第1季 Q1 | 135.32 | 108.50 | 132.18 | 121.04 |
| 第2季 Q2 | 103.56 | 110.01 | 101.53 | 80.77 |
| 第3季 Q3 | 106.72 | 113.07 | 106.72 | 86.84 |
| 第4季 Q4 | 104.63 | 110.83 | 102.72 | 87.67 |

TABLE 9 INDEXES OF TOTAL EARNINGS BY INDUSTRY

Base Period： $2011=100$

| Industry |  |  |  | 服務業 | Services |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 製造業 <br> Manufacturing | 電力及燃氣供應業 <br> Electricity \＆ gas supply | 用水供應及污染整治業 <br> Water supply \＆ remediation activities | 營造業 <br> Construction |  | 批發及零售業 <br> Wholesale \＆ retail trade |
| 77.06 | 94.52 | 66.57 | 75.24 | 78.51 | 89.16 |
| 80.20 | 98.67 | 71.32 | 73.58 | 79.50 | 90.40 |
| 85.15 | 97.94 | 75.72 | 78.45 | 82.68 | 92.62 |
| 89.64 | 94.50 | 80.66 | 85.76 | 84.94 | 91.95 |
| 92.27 | 99.45 | 75.61 | 91.68 | 87.20 | 92.77 |
| 96.11 | 99.38 | 80.15 | 96.13 | 90.68 | 94.25 |
| 97.35 | 89.85 | 86.73 | 96.51 | 91.76 | 94.55 |
| 85.22 | 99.43 | 88.32 | 90.73 | 89.49 | 92.99 |
| 94.73 | 100.91 | 97.15 | 93.44 | 95.22 | 97.78 |
| 113.03 | 111.19 | 120.45 | 101.79 | 115.36 | 122.33 |
| 86.15 | 84.97 | 81.02 | 89.08 | 87.76 | 90.03 |
| 90.35 | 111.70 | 86.67 | 90.16 | 89.03 | 89.63 |
| 89.37 | 95.78 | 100.46 | 92.72 | 88.74 | 89.13 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 123.46 | 103.20 | 119.01 | 114.71 | 122.24 | 124.10 |
| 89.99 | 96.04 | 80.24 | 92.92 | 90.58 | 90.76 |
| 95.31 | 102.57 | 99.13 | 95.44 | 93.45 | 91.38 |
| 91.25 | 98.20 | 101.62 | 96.93 | 93.73 | 93.75 |
| 101.68 | 97.47 | 99.16 | 101.38 | 101.65 | 99.66 |
| 124.30 | 116.86 | 116.88 | 117.37 | 122.03 | 120.15 |
| 91.55 | 90.24 | 86.08 | 94.46 | 94.03 | 92.00 |
| 96.26 | 91.55 | 101.64 | 94.95 | 94.09 | 91.85 |
| 94.61 | 91.22 | 92.04 | 98.77 | 96.46 | 94.65 |
| 102.44 | 92.91 | 101.12 | 102.91 | 103.19 | 101.74 |
| 122.21 | 100.54 | 121.07 | 116.48 | 122.15 | 122.95 |
| 93.13 | 77.55 | 85.73 | 97.46 | 95.79 | 93.61 |
| 97.39 | 76.82 | 93.69 | 98.47 | 96.33 | 94.42 |
| 97.04 | 116.72 | 103.99 | 99.22 | 98.48 | 95.96 |
| 106.43 | 98.53 | 101.09 | 106.94 | 108.48 | 107.54 |
| 126.21 | 104.78 | 121.94 | 120.35 | 133.38 | 136.76 |
| 96.14 | 76.64 | 91.81 | 99.87 | 99.14 | 95.89 |
| 104.32 | 123.19 | 102.25 | 104.14 | 100.64 | 98.67 |
| 99.03 | 89.50 | 88.37 | 103.42 | 100.75 | 98.82 |
| 110.80 | 103.28 | 99.59 | 108.93 | 112.18 | 110.69 |
| 137.16 | 101.36 | 116.90 | 126.30 | 140.58 | 144.22 |
| 98.85 | 81.03 | 89.57 | 100.25 | 102.59 | 98.12 |
| 107.90 | 121.71 | 105.34 | 104.12 | 102.68 | 100.43 |
| 99.30 | 109.00 | 86.55 | 105.07 | 102.87 | 99.99 |
| 112.15 | 102.45 | 96.71 | 108.14 | 113.91 | 111.66 |
| 135.98 | 102.79 | 107.04 | 123.57 | 139.13 | 138.79 |
| 99.90 | 138.99 | 99.90 | 104.71 | 104.60 | 99.31 |
| 108.98 | 78.00 | 88.93 | 102.86 | 106.33 | 103.96 |
| 103.73 | 90.01 | 90.98 | 101.41 | 105.59 | 104.57 |

表9 產業別總薪資指數（續）

基期：民國100年 $=100$

|  | 服務業 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 運輸及倉儲業 <br> Transportation \＆ storage | 住宿及餐飲業 <br> Accommodation \＆ food service activities | 資訊及通訊傳播業 <br> Information \＆ communication | 金融及保險業 <br> Financial \＆insurance activities |
| 91年 2002 | 93.34 | 69.59 | 78.89 | 75.78 |
| 92年 2003 | 93.58 | 68.70 | 78.38 | 74.13 |
| 93年 2004 | 96.88 | 69.86 | 80.09 | 78.77 |
| 94年 2005 | 98.31 | 73.69 | 84.56 | 80.19 |
| 95年 2006 | 99.02 | 77.26 | 88.14 | 85.36 |
| 96年 2007 | 99.43 | 80.38 | 91.21 | 93.13 |
| 97年 2008 | 99.70 | 85.44 | 89.58 | 89.09 |
| 98年 2009 | 93.08 | 88.28 | 88.79 | 84.50 |
| 99年 2010 | 95.61 | 94.09 | 92.42 | 96.26 |
| 第1季 Q1 | 105.28 | 107.12 | 113.83 | 131.30 |
| 第2季 Q2 | 83.59 | 86.48 | 90.74 | 86.77 |
| 第3季 Q3 | 101.53 | 89.16 | 84.05 | 82.39 |
| 第4季 Q4 | 92.04 | 93.61 | 81.06 | 84.60 |
| 100年 2011 | 100.00 | 100.00 | 100.00 | 100.00 |
| 第1季 Q1 | 116.18 | 115.29 | 121.58 | 141.74 |
| 第2季 Q2 | 86.98 | 87.59 | 98.45 | 86.32 |
| 第3季 Q3 | 105.65 | 95.31 | 92.41 | 86.41 |
| 第4季 Q4 | 91.19 | 101.81 | 87.56 | 85.53 |
| 101年 2012 | 99.68 | 104.32 | 105.67 | 100.77 |
| 第1季 Q1 | 112.09 | 121.16 | 127.24 | 141.15 |
| 第2季 Q2 | 88.28 | 95.19 | 103.45 | 91.63 |
| 第3季 Q3 | 98.75 | 98.25 | 98.01 | 84.67 |
| 第4季 Q4 | 99.60 | 102.69 | 93.97 | 85.64 |
| 102年 2013 | 101.69 | 109.10 | 105.70 | 99.69 |
| 第1季 Q1 | 114.48 | 121.68 | 127.34 | 135.33 |
| 第2季 Q2 | 91.78 | 102.63 | 101.99 | 91.51 |
| 第3季 Q3 | 100.02 | 104.99 | 99.79 | 83.99 |
| 第4季 Q4 | 100.46 | 107.10 | 93.66 | 87.92 |
| 103年 2014 | 103.74 | 115.50 | 110.41 | 104.99 |
| 第1季 Q1 | 117.20 | 134.84 | 137.61 | 146.31 |
| 第2季 Q2 | 92.72 | 109.07 | 104.91 | 95.35 |
| 第3季 Q3 | 109.46 | 107.97 | 101.83 | 90.46 |
| 第4季 Q4 | 95.57 | 110.13 | 97.29 | 87.85 |
| 104年 2015 | 107.36 | 121.88 | 113.24 | 108.16 |
| 第1季 Q1 | 122.72 | 144.08 | 143.91 | 152.15 |
| 第2季 Q2 | 94.98 | 112.93 | 106.51 | 101.01 |
| 第3季 Q3 | 110.44 | 113.60 | 104.27 | 87.89 |
| 第4季 Q4 | 101.32 | 116.91 | 98.28 | 91.59 |
| 105年 2016 | 110.13 | 123.86 | 116.21 | 109.99 |
| 第1季 Q1 | 125.83 | 143.69 | 142.74 | 152.12 |
| 第2季 Q2 | 97.74 | 115.55 | 111.14 | 103.68 |
| 第3季 Q3 | 113.64 | 115.58 | 108.81 | 95.48 |
| 第4季 Q4 | 103.32 | 120.62 | 102.15 | 88.66 |

TABLE 9 INDEXES OF TOTAL EARNINGS BY INDUSTRY（CONT．）

Base Period： $2011=100$

| Services |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 不動產業 <br> Real estate activities | 專業，科學及技術服務業 <br> Professional， scientific \＆ technical activities | 支援服務業 Support service activities | 醫療保健服務業 <br> Human health activities | 藝術，娛樂及休閒服務業 <br> Arts，entertainment \＆recreation | 其他服務業 <br> Other service activities |
| 45.90 | 53.80 | 67.88 | 64.28 | 101.76 | 81.59 |
| 48.93 | 57.05 | 73.23 | 69.28 | 104.08 | 81.01 |
| 60.20 | 62.12 | 74.15 | 71.57 | 117.76 | 86.34 |
| 65.31 | 70.71 | 78.72 | 75.34 | 119.34 | 90.05 |
| 68.88 | 73.96 | 83.00 | 77.68 | 118.36 | 90.48 |
| 77.49 | 86.04 | 88.35 | 81.68 | 108.33 | 89.77 |
| 82.33 | 92.24 | 94.06 | 86.72 | 105.48 | 89.19 |
| 72.39 | 84.11 | 90.00 | 88.20 | 96.35 | 90.57 |
| 84.41 | 92.12 | 93.69 | 91.57 | 103.04 | 94.77 |
| 99.70 | 106.06 | 98.36 | 106.50 | 116.83 | 110.43 |
| 74.52 | 86.59 | 92.22 | 85.98 | 94.45 | 86.93 |
| 79.21 | 85.97 | 90.30 | 87.82 | 98.94 | 92.26 |
| 84.23 | 89.87 | 93.88 | 85.99 | 101.93 | 89.45 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 128.62 | 115.32 | 106.35 | 116.56 | 121.17 | 115.06 |
| 87.16 | 92.50 | 96.16 | 92.37 | 89.87 | 93.43 |
| 87.75 | 94.31 | 96.86 | 95.82 | 95.95 | 94.89 |
| 96.47 | 97.88 | 100.62 | 95.26 | 93.01 | 96.62 |
| 97.28 | 102.86 | 107.31 | 103.27 | 108.11 | 101.82 |
| 110.08 | 124.59 | 112.90 | 118.91 | 120.71 | 111.63 |
| 89.46 | 94.80 | 104.84 | 93.51 | 96.96 | 100.50 |
| 93.86 | 93.91 | 105.45 | 99.56 | 103.47 | 94.28 |
| 95.72 | 98.15 | 106.04 | 101.10 | 111.30 | 100.86 |
| 101.68 | 102.49 | 109.36 | 104.43 | 112.20 | 103.61 |
| 120.15 | 117.26 | 115.66 | 116.97 | 132.52 | 113.21 |
| 91.21 | 93.96 | 106.89 | 98.98 | 110.25 | 96.07 |
| 95.77 | 95.42 | 107.18 | 101.16 | 101.99 | 98.58 |
| 99.61 | 103.32 | 107.70 | 100.62 | 104.06 | 106.58 |
| 116.92 | 107.90 | 116.98 | 107.88 | 112.83 | 109.29 |
| 147.37 | 128.47 | 123.36 | 126.35 | 130.89 | 124.54 |
| 100.70 | 97.00 | 113.11 | 101.60 | 109.49 | 101.74 |
| 107.50 | 99.00 | 115.91 | 101.31 | 107.83 | 98.76 |
| 112.09 | 107.13 | 115.55 | 102.24 | 103.13 | 112.14 |
| 117.09 | 112.15 | 122.82 | 115.22 | 118.07 | 108.23 |
| 147.90 | 135.02 | 132.68 | 139.48 | 130.69 | 128.20 |
| 110.66 | 101.45 | 119.13 | 106.86 | 113.01 | 103.11 |
| 104.71 | 104.85 | 119.60 | 107.45 | 115.32 | 97.25 |
| 105.11 | 107.29 | 119.86 | 107.11 | 113.27 | 104.35 |
| 114.73 | 114.90 | 126.00 | 117.94 | 124.85 | 107.78 |
| 134.42 | 138.64 | 137.34 | 142.45 | 142.25 | 121.53 |
| 104.60 | 105.20 | 120.39 | 108.74 | 119.47 | 103.31 |
| 109.29 | 106.83 | 121.71 | 109.49 | 120.41 | 100.19 |
| 110.61 | 108.92 | 124.57 | 111.08 | 117.28 | 106.09 |

## 表10 製造業產值勞動生產力指數

基期：民國100年 $=100$





註：1．其他製造業含「產業用機械設備維修及安裝業」
2．配合國民所得統計發布時程，製造業各中業資料僅至104年。

TABLE 10 INDEXES OF LABOR PRODUCTIVITY OF MANUFACTURING


Note: 1. Other manufacturing includes "Repair \& installation of industrial machinery \& equipment".
2. In line with the National Income Statistics release schedule, the results of every sub-industries in Manufacturing were available only prior to 2015.

表11 製造業每工時產出

單位：新臺幣元／小時



|  |  | 橡膠製品製造業 <br> Manufacture of rubber products | 塑膠製品製造業 <br> Manufacture of plastics products | 非金屬礦物製品製造業 <br> Manufacture of other non－metallic mineral products | 基本金屬製造業 <br> Manufacture of basic metals | 金屬製品製造業 <br> Manufacture of fabricated metal products | 電子零組件製造業 <br> Manufacture of electronic parts \＆ components |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91年 | 2002 | 287.24 | 270.16 | 301.48 | 966.52 | 277.80 | 318.44 |
| 92年 | 2003 | 303.05 | 274.68 | 299.34 | 977.00 | 263.33 | 376.16 |
| 93年 | 2004 | 315.59 | 279.82 | 328.40 | 981.71 | 260.31 | 399.50 |
| 94年 | 2005 | 350.58 | 283.85 | 387.60 | 886.75 | 250.16 | 441.70 |
| 95年 | 2006 | 349.22 | 267.05 | 433.21 | 910.22 | 250.95 | 501.91 |
| 96年 | 2007 | 358.58 | 272.69 | 489.02 | 932.84 | 254.22 | 610.88 |
| 97年 | 2008 | 362.09 | 250.64 | 512.75 | 871.00 | 246.67 | 665.32 |
| 98年 | 2009 | 333.95 | 219.31 | 569.52 | 901.44 | 220.78 | 744.73 |
| 99年 | 2010 | 377.90 | 262.30 | 693.83 | 1002.54 | 257.47 | 840.77 |
| 100年 | 2011 | 378.94 | 273.24 | 761.15 | 958.36 | 275.73 | 932.82 |
| 101年 | 2012 | 337.08 | 284.70 | 817.47 | 964.79 | 265.36 | 1030.52 |
| 102年 | 2013 | 321.05 | 285.40 | 835.57 | 1237.38 | 263.44 | 1072.00 |
| 103年 | 2014 | 311.47 | 300.11 | 831.53 | 1257.01 | 272.05 | 1191.29 |
| 104年 | 2015 | 300.64 | 291.14 | 795.95 | 1193.80 | 260.80 | 1206.18 |
| 105年 | 2016 | ．．． | ．．． | $\ldots$ | ．．． | ．．． |  |

註：1．產出係以 100 年為參考年計算之國內生產毛額連鎖實質值衡量。
2．其他製造業含「產業用機械設備維修及安裝業」。
3．配合國民所得統計發布時程，製造業各中業資料僅至104年。

## TABLE 11 OUTPUT PER HOUR BY MANUFACTURING

| Unit：NT\＄／Hour |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 木竹製品製造業 <br> Manufacture of wood \＆of products of wood \＆bamboo | 紙漿，紙及紙製品製造業 <br> Manufacture of paper \＆ paper products | 印刷及資料儲存媒體複製業 <br> Printing \＆ reproduction of recorded media | 石油及煤製品製造業 <br> Manufacture of petroleum \＆ coal products | 化學材料 <br> 製造業 <br> Manufacture of chemical material | 化學製品 製造業 Manufacture of chemical products | 藥品及 <br> 醫用化學製品製造業 <br> Manufacture of pharmaceuticals \＆medicinal chemical |
| 170.21 | 356.19 | 139.47 | 4207.61 | 1275.19 | 326.58 | 485.98 |
| 167.30 | 380.54 | 173.24 | 4616.44 | 1411.58 | 363.06 | 545.61 |
| 187.46 | 391.68 | 181.88 | 4992.34 | 1513.12 | 389.47 | 567.95 |
| 175.54 | 395.55 | 204.82 | 5300.18 | 1654.03 | 425.75 | 569.29 |
| 213.37 | 392.35 | 212.59 | 4994.28 | 1759.95 | 459.73 | 659.04 |
| 215.13 | 439.04 | 214.94 | 5165.06 | 2094.84 | 484.17 | 719.47 |
| 200.01 | 414.25 | 233.58 | 4649.61 | 1836.04 | 423.34 | 732.60 |
| 170.44 | 380.70 | 176.42 | 4837.44 | 2070.86 | 404.09 | 704.72 |
| 184.01 | 371.36 | 209.97 | 4623.98 | 2290.60 | 522.60 | 741.42 |
| 207.71 | 358.48 | 220.65 | 4834.18 | 2099.13 | 566.60 | 715.36 |
| 201.74 | 367.17 | 206.87 | 3831.26 | 2253.40 | 578.30 | 664.82 |
| 180.37 | 374.62 | 188.72 | 4123.60 | 2493.91 | 564.59 | 634.22 |
| 175.31 | 415.50 | 199.38 | 4078.44 | 2406.42 | 578.39 | 590.89 |
| 162.25 | 412.50 | 198.95 | 4216.49 | 2488.69 | 592.19 | 623.10 |
| ．．． | ．．． | ．．． | ．．． | ．．． | －．．． |  |


| 電腦，電子產品及光學製品製造業 <br> Manufacture of computers， electronic \＆ optical products | 電力設備製造業 <br> Manufacture of electrical equipment | 機械設備製造業 <br> Manufacture of machinery \＆ equipment | 汽車及其零件製造業 <br> Manufacture of motor vehicles \＆parts | 其他運輸工具及其零件製造業 <br> Manufacture of other transport equipment \＆parts | 家具 <br> 製造業 <br> Manufacture of furniture | 其他 <br> 製造業 <br> Other manufacturing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 588.32 | 478.62 | 260.13 | 611.51 | 415.86 | 177.54 | 298.29 |
| 680.02 | 505.56 | 285.60 | 658.99 | 427.46 | 166.18 | 301.13 |
| 670.11 | 528.34 | 314.61 | 718.96 | 479.83 | 180.30 | 294.25 |
| 766.54 | 525.75 | 323.48 | 703.48 | 533.45 | 182.42 | 302.96 |
| 836.83 | 502.18 | 336.73 | 600.83 | 545.57 | 196.53 | 322.37 |
| 826.05 | 478.20 | 355.98 | 580.07 | 573.99 | 223.10 | 327.50 |
| 836.66 | 431.07 | 332.17 | 489.89 | 616.94 | 213.84 | 297.06 |
| 895.09 | 396.96 | 305.15 | 530.07 | 511.69 | 189.80 | 286.21 |
| 1040.61 | 430.84 | 390.61 | 578.63 | 524.41 | 235.70 | 335.34 |
| 1202.33 | 435.56 | 396.00 | 584.39 | 514.99 | 210.66 | 338.81 |
| 1287.92 | 449.86 | 373.00 | 523.28 | 488.39 | 199.64 | 317.73 |
| 1237.94 | 434.91 | 331.54 | 485.92 | 481.49 | 190.20 | 313.81 |
| 1345.53 | 438.89 | 351.60 | 532.94 | 521.02 | 203.05 | 341.11 |
| 1416.89 | 439.51 | 322.90 | 531.52 | 514.05 | 193.07 | 345.17 |

[^20]表12 製造業每就業者產出

單位：新臺幣元／每人每月





註：1．產出係以 100 年為參考年計算之國內生產毛額連鎖實質值衡量。
2．其他製造業含「產業用機械設備維修及安裝業」。
3．配合國民所得統計發布時程，製造業各中業資料僅至104年。

## TABLE 12 OUTPUT PER EMPLOYED PERSON OF MANUFACTURING

| Unit：NT\＄／Per month per employed person |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 木竹製品製造業 <br> Manufacture of wood \＆of products of wood \＆bamboo | 紙漿，紙及紙製品製造業 <br> Manufacture of paper \＆ paper products | 印刷及資料儲存媒體複製業 <br> Printing \＆ reproduction of recorded media | 石油及煤製品製造業 <br> Manufacture of petroleum \＆ coal products | 化學材料製造業 <br> Manufacture of chemical material | 化學製品 製造業 Manufacture of chemical products | 藥品及 <br> 醫用化學製品 <br> 製造業 <br> Manufacture of pharmaceuticals \＆medicinal chemical |
| 31589 | 67971 | 26856 | 751305 | 232143 | 58896 | 83882 |
| 31887 | 72933 | 33084 | 836722 | 255153 | 65226 | 94802 |
| 36802 | 76439 | 35806 | 909989 | 280192 | 70039 | 102573 |
| 33988 | 76773 | 40155 | 954676 | 300994 | 75868 | 103009 |
| 39732 | 75372 | 41261 | 890402 | 322785 | 82529 | 118232 |
| 41014 | 83949 | 41693 | 929620 | 386081 | 86293 | 125057 |
| 37307 | 77190 | 45051 | 842652 | 339553 | 75084 | 127328 |
| 30284 | 71005 | 33400 | 887063 | 384478 | 70198 | 121494 |
| 34674 | 72502 | 42048 | 881310 | 428726 | 92377 | 130319 |
| 38578 | 68498 | 43687 | 911511 | 383459 | 98829 | 125371 |
| 37649 | 69651 | 39626 | 721954 | 411145 | 101649 | 117195 |
| 34193 | 71640 | 36677 | 743760 | 450094 | 98489 | 111059 |
| 33538 | 78662 | 37695 | 732195 | 437165 | 101336 | 104042 |
| 30536 | 77748 | 36781 | 754326 | 447545 | 103770 | 107405 |
|  |  | ．．． | ．．． | $\ldots$ | $\ldots$ |  |


| 電腦，電子產品及光學製品製造業 <br> Manufacture of computers， electronic \＆ optical products | 電力設備製造業 <br> Manufacture of electrical equipment | 機械設備製造業 <br> Manufacture of machinery \＆ equipment | 汽車及其零件製造業 <br> Manufacture of motor vehicles \＆parts | 其他運輸工具及其零件製造業 <br> Manufacture of other transport equipment \＆parts | 家具 <br> 製造業 <br> Manufacture of furniture | 其他 <br> 製造業 <br> Other manufacturing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106968 | 88889 | 49077 | 114737 | 76230 | 32488 | 54462 |
| 123887 | 94120 | 54234 | 125021 | 79545 | 30273 | 55028 |
| 123431 | 99580 | 60987 | 137704 | 93141 | 33257 | 54721 |
| 141556 | 97493 | 61748 | 132865 | 101450 | 33238 | 55979 |
| 151078 | 92430 | 64216 | 107350 | 101203 | 35414 | 59011 |
| 148320 | 87928 | 68663 | 107078 | 108970 | 40245 | 60089 |
| 147717 | 78468 | 62626 | 87589 | 117938 | 38296 | 53991 |
| 154784 | 70589 | 51869 | 94245 | 90062 | 33297 | 49587 |
| 191561 | 80029 | 74846 | 108111 | 97641 | 42979 | 59784 |
| 214756 | 78735 | 74712 | 108235 | 96185 | 38374 | 60277 |
| 228663 | 80665 | 68912 | 96812 | 90841 | 36839 | 56469 |
| 216343 | 78835 | 60936 | 89629 | 90248 | 34838 | 55681 |
| 239986 | 80629 | 64971 | 98211 | 97843 | 37461 | 61033 |
| 249656 | 78844 | 58337 | 96288 | 94912 | 34940 | 61234 |

[^21]表13 製造業每一等就業者產出

單位：新臺幣元／每等就業者每月





註：1．產出係以 100 年為參考年計算之國內生產毛額連鎖實質值衡量。
2．其他製造業含「產業用機械設備維修及安裝業」。
3．配合國民所得統計發布時程，製造業各中業資料僅至104年。

TABLE 13 OUTPUT PER EQUI－EMPLOYED PERSON OF MANUFACTURING

| Unit：NT\＄／Per month per equi－employed person |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 木竹製品製造業 <br> Manufacture of wood \＆of products of wood \＆bamboo | 紙漿，紙及紙製品製造業 <br> Manufacture of paper \＆ paper products | 印刷及資料儲存媒體複製業 <br> Printing \＆ reproduction of recorded media | 石油及煤製品製造業 <br> Manufacture of petroleum \＆ coal products | 化學材料 <br> 製造業 <br> Manufacture of chemical material | 化學製品 製造業 Manufacture of chemical products | 藥品及 <br> 醫用化學製品製造業 <br> Manufacture of pharmaceuticals \＆medicinal chemical |
| 31690 | 68288 | 26906 | 753293 | 232308 | 58796 | 84025 |
| 32072 | 73289 | 33167 | 839880 | 255557 | 65111 | 95018 |
| 36956 | 76735 | 35959 | 909777 | 280980 | 70568 | 103000 |
| 34430 | 77473 | 40322 | 957569 | 301817 | 76141 | 103091 |
| 40225 | 75796 | 41571 | 890348 | 323232 | 82831 | 118612 |
| 41380 | 84197 | 41867 | 932039 | 386759 | 86660 | 125563 |
| 37508 | 77694 | 45174 | 844000 | 340643 | 75791 | 127695 |
| 30534 | 71775 | 33462 | 892060 | 386859 | 70536 | 122241 |
| 34761 | 72833 | 42205 | 883334 | 430031 | 93230 | 130598 |
| 38625 | 68755 | 43781 | 913063 | 384181 | 99267 | 125709 |
| 38265 | 69800 | 39701 | 723370 | 411782 | 102465 | 117475 |
| 34186 | 71807 | 36885 | 745791 | 452532 | 98939 | 111644 |
| 33751 | 79130 | 37782 | 733361 | 437395 | 101321 | 104209 |
| 30604 | 78106 | 36845 | 754548 | 449744 | 104522 | 108650 |
|  |  | ．．． |  | ．．． | ．．． |  |


| 電腦，電子產品及光學製品製造業 <br> Manufacture of computers， electronic \＆ optical products | 電力設備製造業 <br> Manufacture of electrical equipment | 機械設備製造業 <br> Manufacture of machinery \＆ equipment | 汽車及其零件製造業 <br> Manufacture of motor vehicles \＆parts | 其他運輸工具及其零件製造業 <br> Manufacture of other transport equipment \＆parts | 家具 <br> 製造業 <br> Manufacture of furniture | 其他 <br> 製造業 <br> Other manufacturing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107261 | 89274 | 49238 | 115215 | 76454 | 32536 | 54867 |
| 124247 | 94601 | 54419 | 125627 | 79782 | 30342 | 55455 |
| 123839 | 100056 | 61280 | 138800 | 93574 | 33393 | 55204 |
| 141792 | 98187 | 62035 | 133726 | 101761 | 33433 | 56836 |
| 151516 | 93189 | 64409 | 108040 | 101611 | 35443 | 59753 |
| 149032 | 88268 | 68776 | 107504 | 109502 | 40364 | 60220 |
| 148522 | 78918 | 62916 | 88301 | 118195 | 38483 | 54166 |
| 155455 | 71061 | 52358 | 94775 | 90632 | 33684 | 53246 |
| 192325 | 80142 | 75174 | 108714 | 98011 | 43108 | 82445 |
| 215583 | 79044 | 74931 | 108647 | 96464 | 38560 | 84921 |
| 229823 | 80955 | 69225 | 97354 | 91212 | 36856 | 79717 |
| 217531 | 79128 | 61095 | 90039 | 90422 | 34954 | 78634 |
| 240923 | 80972 | 65087 | 98639 | 98167 | 37726 | 86427 |
| 250817 | 78989 | 58482 | 96663 | 95200 | 35116 | 85413 |

Note：1．Output is real gross domestic product in chained 2011 dollars．
2．Other manufacturing includes＂Repair \＆installation of industrial machinery \＆equipment＂．
3．In line with the National Income Statistics release schedule，the results of every sub－industries in Manufacturing were available only prior to 2015.

## 表14 製造業單位產出勞動成本指數

基期：民國100年 $=100$





註：1．其他製造業含「產業用機械設備維修及安裝業」
2．配合國民所得統計發布時程，製造業各中業資料僅至104年。

TABLE 14 INDEXES OF UNIT LABOR COSTS OF MANUFACTURING


Note: 1. Other manufacturing includes "Repair \& installation of industrial machinery \& equipment".
2. In line with the National Income Statistics release schedule, the results of every sub-industries in Manufacturing were available only prior to 2015.

表15 製造業就業者工時指數

基期：民國100年 $=100$





註：其他製造業含「產業用機械設備維修及安裝業」

TABLE 15 INDEXES OF EMPLOYED HOURS OF MANUFACTURING



| 電腦，電子產品及光學製品製造業 <br> Manufacture of computers， electronic \＆ optical products | 電力設備製造業 <br> Manufacture of electrical equipment | 機械設備製造業 <br> Manufacture of machinery \＆ equipment | 汽車及其零件製造業 <br> Manufacture of motor vehicles \＆parts | 其他運輸工具及其零件製造業 <br> Manufacture of other transport equipment \＆parts | 家具製造業 <br> Manufacture of furniture | 其他 <br> 製造業 <br> Other manufacturing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.24 | 99.29 | 79.11 | 76.42 | 82.67 | 124.07 | 84.15 |
| 89.07 | 97.89 | 80.94 | 82.17 | 85.84 | 118.45 | 86.26 |
| 92.97 | 97.55 | 85.25 | 88.67 | 93.32 | 116.31 | 92.84 |
| 94.21 | 95.08 | 87.63 | 92.36 | 92.27 | 112.66 | 93.94 |
| 94.62 | 93.28 | 91.32 | 88.17 | 91.75 | 107.19 | 90.78 |
| 96.96 | 93.29 | 97.12 | 94.13 | 96.96 | 104.38 | 97.63 |
| 95.14 | 95.52 | 99.44 | 90.52 | 98.78 | 102.03 | 102.18 |
| 88.12 | 93.62 | 80.95 | 83.77 | 91.00 | 93.88 | 95.77 |
| 97.14 | 103.38 | 96.41 | 94.36 | 96.05 | 95.22 | 96.73 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 100.50 | 97.36 | 100.56 | 100.79 | 103.21 | 100.12 | 102.37 |
| 96.95 | 100.24 | 100.44 | 102.08 | 106.92 | 97.56 | 101.02 |
| 98.56 | 102.66 | 102.67 | 102.59 | 106.02 | 94.96 | 102.09 |
| 96.88 | 100.29 | 103.22 | 100.09 | 107.37 | 98.46 | 104.49 |
| 90.95 | 96.93 | 98.82 | 96.36 | 104.32 | 98.16 | 105.53 |

[^22]



註：其他製造業含「產業用機械設備維修及安裝業」

TABLE 16 INDEXES OF EMPLOYED PERSONS OF MANUFACTURING



| 電腦，電子產品及光學製品製造業 <br> Manufacture of computers， electronic \＆ optical products | 電力設備製造業 <br> Manufacture of electrical equipment | 機械設備製造業 <br> Manufacture of machinery \＆ equipment | 汽車及其零件製造業 <br> Manufacture of motor vehicles \＆parts | 其他運輸工具及其零件製造業 <br> Manufacture of other transport equipment \＆parts | $\left.\begin{gathered} \text { 家具 } \\ \text { 製造業 } \\ \text { Manufacture of } \\ \text { furniture } \end{gathered} \right\rvert\,$ | 其他 <br> 製造業 <br> Other manufacturing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 84.72 | 96.64 | 79.11 | 75.43 | 84.24 | 123.50 | 82.00 |
| 87.33 | 95.05 | 80.42 | 80.22 | 86.16 | 118.45 | 83.98 |
| 90.15 | 93.56 | 82.97 | 85.75 | 89.79 | 114.87 | 88.82 |
| 91.12 | 92.69 | 86.61 | 90.57 | 90.62 | 112.63 | 90.44 |
| 93.61 | 91.61 | 90.34 | 91.40 | 92.38 | 108.36 | 88.22 |
| 96.46 | 91.71 | 95.00 | 94.44 | 95.39 | 105.40 | 94.66 |
| 96.25 | 94.85 | 99.51 | 93.76 | 96.51 | 103.78 | 100.02 |
| 91.02 | 95.17 | 89.85 | 87.26 | 96.56 | 97.48 | 98.34 |
| 94.26 | 100.61 | 94.93 | 93.54 | 96.35 | 95.12 | 96.53 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 101.11 | 98.15 | 102.69 | 100.90 | 103.64 | 98.84 | 102.47 |
| 99.09 | 99.96 | 103.10 | 102.49 | 106.55 | 97.03 | 101.29 |
| 98.71 | 101.02 | 104.83 | 103.11 | 105.45 | 93.76 | 101.52 |
| 98.21 | 101.06 | 107.80 | 102.33 | 108.61 | 99.11 | 104.78 |
| 95.61 | 101.79 | 106.98 | 101.77 | 109.79 | 103.98 | 108.95 |

[^23]


|  |  | 橡膠製品製造業 <br> Manufacture of rubber products | 塑膠製品製造業 <br> Manufacture of plastics products | 非金屬礦物製品製造業 <br> Manufacture of other non－metallic mineral products | 基本金屬製造業 <br> Manufacture of basic metals | 金屬製品 <br> 製造業 <br> Manufacture of fabricated metal products | 電子零組件製造業 <br> Manufacture of electronic parts \＆ components |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91年 | 2002 | 89.82 | 105.23 | 105.19 | 75.48 | 84.03 | 62.71 |
| 92年 | 2003 | 92.03 | 104.74 | 101.50 | 76.83 | 86.70 | 66.79 |
| 93年 | 2004 | 93.27 | 106.43 | 98.42 | 79.12 | 90.50 | 75.27 |
| 94年 | 2005 | 93.19 | 105.32 | 96.19 | 83.88 | 92.74 | 81.10 |
| 95年 | 2006 | 92.10 | 104.13 | 94.16 | 89.10 | 95.01 | 87.28 |
| 96年 | 2007 | 95.45 | 103.91 | 96.36 | 92.68 | 98.82 | 91.47 |
| 97年 | 2008 | 97.55 | 103.42 | 95.78 | 96.70 | 98.29 | 95.74 |
| 98年 | 2009 | 93.89 | 101.84 | 93.57 | 95.46 | 94.73 | 89.15 |
| 99年 | 2010 | 99.33 | 99.67 | 95.02 | 97.14 | 97.31 | 95.20 |
| 100年 | 2011 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 101年 | 2012 | 99.95 | 100.31 | 100.94 | 103.37 | 98.28 | 99.97 |
| 102年 | 2013 | 103.50 | 101.44 | 101.12 | 104.87 | 98.49 | 100.41 |
| 103年 | 2014 | 106.70 | 102.69 | 99.50 | 107.07 | 100.67 | 102.77 |
| 104年 | 2015 | 108.76 | 99.82 | 100.67 | 108.69 | 99.64 | 104.29 |
| 105年 | 2016 | 108.41 | 101.94 | 102.24 | 109.28 | 99.54 | 103.02 |

註：其他製造業含「產業用機械設備維修及安裝業」

TABLE 17 INDEXES OF EQUI－EMPLOYED PERSONS OF MANUFACTURING

| Base Period： $2011=100$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 木竹製品製造業 <br> Manufacture of wood \＆of products of wood \＆bamboo | 紙漿，紙及紙製品製造業 <br> Manufacture of paper \＆ paper products | 印刷及資料儲存媒體複製業 <br> Printing \＆ reproduction of recorded media | 石油及煤製品製造業 <br> Manufacture of petroleum \＆ coal products | 化學材料製造業 <br> Manufacture of chemical material |  | 藥品及 <br> 醫用化學製品 <br> 製造業 <br> Manufacture of pharmaceuticals \＆medicinal chemical products |
| 138.31 | 99.61 | 99.71 | 96.09 | 104.19 | 92.44 | 76.80 |
| 133.06 | 98.81 | 99.79 | 94.08 | 99.79 | 90.52 | 75.38 |
| 133.06 | 98.24 | 99.88 | 98.94 | 98.77 | 91.29 | 75.24 |
| 128.59 | 97.17 | 103.03 | 104.45 | 96.86 | 90.42 | 77.71 |
| 119.46 | 98.34 | 105.17 | 106.98 | 95.91 | 88.54 | 78.55 |
| 113.32 | 96.12 | 108.00 | 105.18 | 95.56 | 89.11 | 82.35 |
| 109.87 | 94.77 | 106.03 | 100.68 | 97.82 | 93.12 | 83.42 |
| 107.80 | 95.97 | 104.27 | 99.54 | 100.10 | 94.07 | 94.93 |
| 107.44 | 99.80 | 99.39 | 101.25 | 98.22 | 96.23 | 98.46 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 101.55 | 101.86 | 105.75 | 102.65 | 104.22 | 100.05 | 104.10 |
| 114.94 | 101.32 | 109.09 | 102.90 | 103.57 | 102.46 | 106.59 |
| 111.50 | 100.66 | 103.24 | 103.85 | 103.19 | 103.88 | 112.18 |
| 115.68 | 97.94 | 102.41 | 100.92 | 103.11 | 101.70 | 112.71 |
| 117.14 | 100.39 | 100.49 | 97.14 | 103.76 | 100.98 | 115.65 |


| 電腦，電子產品及光學製品製造業 <br> Manufacture of computers， electronic \＆ optical products | 電力設備製造業 <br> Manufacture of electrical equipment | 機械設備製造業 <br> Manufacture of machinery \＆ equipment | 汽車及其零件 <br> 製造業 <br> Manufacture of motor vehicles \＆parts | 其他運輸工具及其零件製造業 <br> Manufacture of other transport equipment \＆parts | 家具 <br> 製造業 <br> Manufacture of furniture | 其他 <br> 製造業 <br> Other manufacturing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 84.81 | 96.60 | 79.08 | 75.41 | 84.23 | 123.92 | 114.67 |
| 87.41 | 94.94 | 80.38 | 80.13 | 86.15 | 118.75 | 117.41 |
| 90.20 | 93.48 | 82.82 | 85.39 | 89.63 | 114.95 | 124.04 |
| 91.32 | 92.39 | 86.46 | 90.33 | 90.60 | 112.52 | 125.50 |
| 93.70 | 91.22 | 90.33 | 91.16 | 92.27 | 108.80 | 122.75 |
| 96.37 | 91.72 | 95.12 | 94.43 | 95.20 | 105.60 | 133.08 |
| 96.10 | 94.68 | 99.34 | 93.36 | 96.58 | 103.78 | 140.45 |
| 90.97 | 94.90 | 89.27 | 87.10 | 96.23 | 96.83 | 129.03 |
| 94.25 | 100.86 | 94.80 | 93.37 | 96.26 | 95.30 | 98.62 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 100.99 | 98.19 | 102.53 | 100.72 | 103.52 | 99.28 | 102.26 |
| 98.92 | 99.98 | 103.14 | 102.42 | 106.65 | 97.18 | 101.04 |
| 98.70 | 100.99 | 104.95 | 103.05 | 105.40 | 93.55 | 101.00 |
| 98.13 | 101.27 | 107.84 | 102.32 | 108.59 | 99.09 | 105.84 |
| 95.43 | 101.57 | 107.02 | 101.92 | 109.78 | 104.37 | 109.34 |

Note：Other manufacturing includes＂Repair \＆installation of industrial machinery \＆equipment＂．





註：其他製造業含「產業用機械設備維修及安裝業」

TABLE 18 INDEXES OF TOTAL EARNINGS OF MANUFACTURING



| 電腦，電子產品及光學製品製造業 <br> Manufacture of computers， electronic \＆ optical products | 電力設備製造業 <br> Manufacture of electrical equipment | 機械設備製造業 <br> Manufacture of machinery \＆ equipment | 汽車及其零件製造業 <br> Manufacture of motor vehicles \＆parts | 其他運輸工具及其零件製造業 <br> Manufacture of other transport equipment \＆parts | 家具 <br> 製造業 <br> Manufacture of furniture | 其他 <br> 製造業 <br> Other manufacturing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 71.32 | 97.68 | 74.38 | 73.68 | 72.43 | 114.56 | 73.32 |
| 75.32 | 96.46 | 77.42 | 82.95 | 76.48 | 111.82 | 77.37 |
| 78.00 | 96.44 | 82.49 | 95.72 | 80.46 | 109.59 | 85.17 |
| 83.69 | 97.24 | 87.75 | 100.65 | 83.15 | 107.22 | 87.11 |
| 88.69 | 95.03 | 91.67 | 100.20 | 85.11 | 105.45 | 83.86 |
| 94.57 | 97.55 | 96.41 | 96.01 | 91.19 | 101.58 | 92.13 |
| 94.74 | 97.27 | 100.32 | 91.38 | 93.76 | 98.78 | 96.68 |
| 82.59 | 89.12 | 78.40 | 80.04 | 88.32 | 91.46 | 88.56 |
| 91.61 | 101.02 | 90.69 | 88.30 | 93.40 | 92.21 | 91.67 |
| 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 102.89 | 102.88 | 102.84 | 105.53 | 104.50 | 103.36 | 99.03 |
| 101.90 | 103.24 | 101.71 | 105.71 | 104.51 | 100.67 | 98.67 |
| 106.84 | 108.60 | 102.04 | 107.87 | 106.58 | 98.41 | 101.33 |
| 110.08 | 110.17 | 107.12 | 108.73 | 111.60 | 102.15 | 109.92 |
| 104.37 | 108.72 | 108.64 | 106.98 | 114.73 | 109.48 | 117.01 |

[^24]肆，國際比較
IV．INTERNATIONAL COMPARISON

## 表 1 各主要國家產值勞動生產力（以 2010 年為參考年）＊

Table 1 Level of Labor Productivity in Major Countries（in Chained 2010 Dollars）

| 單位：美元 |  |  |  |  |  | Unit：U．S．Dollars |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { 國 別 } \\ \text { Country } \end{gathered}$ | 中 華民國（R．O．C．） |  | 日 本（Japan） |  | 美國（U．S．A．） |  |
| 年 別 | dustry | 全 體 產 業 All Industries | 製 造 業 Manufacturing | 全 體 產 業 <br> All Industries | 製 造 業 Manufacturing | 全 體 產 業 <br> All Industries | 製 造 業 Manufacturing |
| 96 年 | 2007 | 32321 | 36491 | 66701 | 75455 | 103086 | 118877 |
| 97 年 | 2008 | 33348 | 37614 | 75370 | 87209 | 103270 | 118325 |
| 98年 | 2009 | 31680 | 36163 | 79930 | 84353 | 104341 | 122411 |
| 9 9 年 | 2010 | 36460 | 45184 | 89000 | 106770 | 107608 | 130005 |
| 100 年 | 2011 | 40179 | 50276 | 97856 | 115435 | 108702 | 128044 |
| 101 年 | 2012 | 40211 | 51436 | 99545 | 120081 | 109092 | 125383 |
| 102 年 | 2013 | 40525 | 51804 | 82408 | 97332 | 109797 | 126284 |
| 103 年 | 2014 | 41394 | 54579 | 75631 | 92033 | 110574 | 125559 |
| 104 年 | 2015 | 38941 | 51236 | 66680 | 82546 | 111517 | 125508 |
| 105 年 | 2016 | 38778 | 51650 | 74187 | $\ldots$ | 111371 | 124755 |

資料來源：
中華民國—行政院主計總處 http：／／www．stat．gov．tw
日本一內閣府 http：／／www．esri．cao．go．jp／en／sna／sokuhou／sokuhou＿top．html
美國—經濟分析局，勞工統計局 http：／／www．bea．gov／national／index．htm•http：／／www．bls．gov／cps
香港一政府統計處 http：／／www．censtatd．gov．hk／
新加坡一新加坡統計局 http：／／www．singstat．gov．sg／stats／
南韓—南韓銀行局 http：／／ecos．bok．or．kr／EIndex＿en．jsp
註：＊每就業者產出＝國內生產毛額連鎖實質值／就業者人數。

Unit：U．S．Dollars

|  |  | 香港（Hong Kong） |  | 新加坡（Singapore） |  | 南 韓（Korea） |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 全 體 產 業 All Industries | 製 造 業 Manufacturing | 全 體 產 業 All Industries | 製 造 業 Manufacturing | 全 體 產 業 All Industries | 製 造 業 Manufacturing |
| 96 年 | 2007 | 101574 |  | 65908 | 73548 | 52689 | 80407 |
| 97 年 | 2008 | 103385 | 31057 | 65110 | 65481 | 45406 | 71222 |
| 98年 | 2009 | 101444 | 30370 | 64350 | 72733 | 39583 | 63186 |
| 9 9 年 | 2010 | 105565 | 32778 | 76120 | 91964 | 45931 | 75542 |
| 100 年 | 2011 | 111268 | 34914 | 85366 | 100178 | 48825 | 82660 |
| 101 年 | 2012 | 115452 | 36644 | 86123 | 101730 | 48268 | 82973 |
| 102 年 | 2013 | 118938 | 37803 | 86585 | 97158 | 50315 | 86758 |
| 103 年 | 2014 | 123199 | 38132 | 85034 | 102379 | 52940 | 90254 |
| 104 年 | 2015 | 129170 | 38652 | 81187 | 105523 | 49997 | 82521 |
| 105 年 | 2016 | $\ldots$ | $\ldots$ | 80849 | 109102 | 49549 | 82385 |

[^25]表2 各主要國家製造業產量勞動生產力指數成長率＊
Table 2 Growth Rate of the Labor Productivity Indexes of Manufacturing in Major Countries

| 國別 <br> Country |  | 中華民國 R．O．C． | $\begin{aligned} & \text { 日本 } \\ & \text { Japan } \end{aligned}$ | 南韓 <br> Korea | $\begin{aligned} & \text { 美國 } \\ & \text { U.S.A. } \end{aligned}$ | 加拿大 <br> Canada | $\begin{aligned} & \text { 英國 } \\ & \text { U.K. } \end{aligned}$ | 香港 H.K. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96年 | 2007 | 7.2 | $\ldots$ | 8.4 | 6.2 | 0.0 | 3.1 | 1.4 |
| 97年 | 2008 | －0．1 | $\ldots$ | 3.7 | 4.0 | －0．5 | 0.1 | －0．5 |
| 98年 | 2009 | 1.1 | $\ldots$ | 2.5 | －6．9 | 0.5 | －0．9 | 0.7 |
| 9 9 年 | 2010 | 15.5 | $\ldots$ | 10.3 | 10.7 | 1.3 | 4.4 | 15.4 |
| 100 年 | 2011 | 3.2 | $\ldots$ | 2.6 | 5.7 | 1.9 | 3.3 | 4.2 |
| 101 年 | 2012 | －0．7 | $\ldots$ | －0．4 | 1.7 | －0．4 | －1．9 | 1.0 |
| 102 年 | 2013 | 0.0 | 1.3 | －1．3 | 0.1 | 1.6 | －1．9 | 3.7 |
| 103 年 | 2014 | 4.1 | 2.0 | －2．5 | 0.1 | 2.6 | 2.4 | 5.2 |
| 104 年 | 2015 | －0．9 | －1．9 | －2．5 | －0．6 | －0．5 | －1．2 | 1.8 |
| 105 年 | 2016 | 5.7 | －0．3 | 1.3 | 0.2 | 0.7 | 1.8 | ． |

資料來源：
中華民國一行政院主計總處，薪資與生產力統計年報
日本一獨立法人日本勞動政策研究。研修機構
南韓一南韓生產力中心
美國—美國勞工統計局
加拿大一加拿大統計局
英國—國家統計局
香港—政府統計處
註：＊本表產量勞動生產力係指在單位時間内每一員工所能生產之實質產量。
Source：
R．O．C．－D．G．B．A．S．Yearbook of Earnings and Productivity Statistics
Japan－The Japan Institute for Labour Policy and Training http：／／www．jil．go．jp／
Korea—Korea Productivity Center http：／／www．kpc．or．kr／eng／default．asp
U．S．A．－Bureau of Labor Statistics http：／／www．bls．gov／
Canada—Statistics Canada http：／／www．statcan．gc．ca／
U．K．．－Office for National Statistics http：／／www．ons．gov．uk／ons／index．html
Hong Kong－Census and Statistics Department http：／／www．censtatd．gov．hk／
Note：＊The labor productivity refers to the real value of output produced by a unit of labor in a unit of time．

# 伍，編製方法說明 <br> V．DESCRIPTION OF METHODS USED IN COMPILATION 

## 編製方法說明

## —，理論基礎

生產力的衡量有「平均」與「邊際」兩種方法，惟邊際生產力在統計實務中尚停留在理論階段，故目前所編布的勞動生產力，都是以「總產出」除以「總投入」的平均觀念來編製。

依產值編算之勞動生產力指數，其產出部分係採用國民所得生產帳（NIPA）中之實質國內生產毛額（GDP），而投入部分則採用場所面與家計面兩種調查所得之受僱員工與雇主，自營作業者，無酬家屬工作者之人數，工時等資料，以為編製基礎。其計算公式如下：

1．勞動生產力指數 $=\frac{\text { 實質國內生產毛額指數 }}{\text { 勞動投入指數（工時•就業者•等就業者）}} \times 100$
（以民國 100 年為基期，產出係以 100 年為參考年計算之國內生產毛額連鎖實質值衡量）
2．勞動生產力 $=\frac{\text { 實質國內生產毛額 }}{\text { 勞動投入量 }(\text { 工時•就業者•等就業者 })}$
（產出係以 100 年為參考年計算之國內生產毛額連鎖實質值衡量）

## 二，行業涵蓋範圍

本報告之「全體產業」涵蓋「農林漁牧業」「工業」「服務業」「「工業」涵蓋範圍包含「礦業及土石採取業」「製造業」「電力及燃氣供應業」「用水供應及污染整治業」「營造業」。「服務業」包含「批發及零售業」「運輸及倉儲業」「住宿及餐飲業」「資訊及通訊傳播業」「金融及保險業」「不動產業」「專業，科學及技術服務業」「支援服務業」「醫療保健服務業」「藝術，娛樂及休閒服務業」「其他服務業」。

其中，「製造業」另依中類分「食品製造業」「飲料及菸草製造業」「紡織業」「成衣及服飾品製造業」「皮革，毛皮及其製品製造業」「木竹製品製造業」「紙漿，紙及紙製品製造業」「印刷及資料儲存媒體複製業」「石油及煤製品製造業」「化學材料製造業」「化學製品製造業」「藥品及醫用化學製品製造業」「橡膠製品製造業」「塑膠製品製造業」「非金屬礦物製品製造業」「基本金屬製造業」「金屬製品製造業」「電子零組件製造業」「電腦，電子產品及光學製品製造業」「電力設備製造業」「機械設備製造業」「汽車及其零件製造業」「其他運輸工具及其零件製造業」「家具製造業」「其他製造業」。

由於「教育服務業」及「社會工作服務業」所運用之產出，投入資料涵蓋範圍不盡相同，為考量兩者間—致性，故不納入統計。另外，「製造業」中類「產業用機械設備維修及安裝業」配合產出資料併入「其他製造業」編製。

## 三，崖出的衡量

為排除物價波動對產出之影響，依產值編製之勞動生產力指數，是以國民所得「生產」帳（NIPA）中的實質國內生產毛額（GDP）為衡量產出的基礎。但由於生產帳中部分納入國內生產毛額組成項，因找不到適當的勞動投入，如住宅服務，公共行政及國防；強制性社會安全，加值型營業税，進口税及統計差異等，故不計入產出衡量中。
（一）住宅服務：
係住家用的房屋，其出租或自住的租金部分。此項產出無適當的勞動投入與之配合，自不應包括在產出範圍內。
（二）公共行政及國防；強制性社會安全：
包括凡從事一般公共服務及國家防衛等行政，國防機構及受政府監督指揮且具非市場性之非營利機構。公共行政及國防；強制性社會安全生產毛額等於其固定資本消耗，受僱人員報酬及生產及進口税之支出，資料係依據各機構預決算書編算，此行業亦未有適當的勞動投入，故排除勞動生產力所編製之範圍。
（三）加值型營業税：
係對事業單位銷售物品及勞務之營業額，扣除自其他納税單位購進物品及勞務之支出，以其餘額「加值」的部分課徵之租税。本項加值型營業税係單獨列計，故不納入編算。
（四）進口税：
係指關税，商港建設費與進口貨物税等。此因新的國民經濟會計制度修改為單獨列帳，不再併計各產業帳內，目前無適當之方法可併入各行業中，故在各行業中不計入此項。
（五）統計差異：
由於國民所得在生產面，支出面及所得面統計有三面等價的概念，在實務甚難達成，主因 GDP 的編算資料來源龐雜，其中之調查誤差或統計缺漏難以避免，導致各面編算結果存在統計差異，因無法納入各業中，故予以排除。

## 四，勞動投入的衡量

（一）工時：
就常理言，勞動工時的投入比就業人數投入的變動，更能反應生產力的變動，而此 —勞動工時應指工作工時而非有酬工時。由於產出資料係採用國內生產毛額，是以勞動的投入應為就業者的工作工時（即除了受僱員工的延人工時之外，尚包括雇主，自營作業者，及無酬家屬工作者的延人工時），較能符合生產力分析之要求。

本總處現有由住戶面調查（即人力資源調查）所產生之就業者人數資料，此為研究就業人數結構的常用指標，但考慮工時反應生產力變動之準確性，則應用本總處由場所

面調查（即受僱員工薪資調查）所產生之受侑員工工時資料，較能反應生產力之變動，因此，本統計目前衡量投入面時，係採用人力資源統計中的就業人數（即雇主，自營作業者，受雄者，及無酬家屬工作者等），配以受僱員工統計中之工時，並經下列公式調整後應用。

1．調整前非農業勞動力雇主（受雄者，無酬家屬工作者，自營作業者）的工時 $\times$
$\frac{\text { 受僱員工的工時 }}{\text { 勞動力受雄者的工時 }}=$ 調整後非農業雇主（受僱者，無酬家屬工作者，自營作業者）的工時。

2．調整前每週農業雇主（受雄者，無酬家屬工作者，自營作業者）的工時 $\div 7 \times$ 當月日數 $=$調整後每月農業雇主（受僱者，無酬家屬工作者，自營作業者）的工時。

## （二）就業者：

有鑑於部分國家，至今仍沿用較簡單的「每就業者產出」來衡量勞動生產力的變動，故本報告亦將「每就業者產出」（就業者計包括有家計面之雇主，自營作業者，及無酬家屬工作者，與受僱者）列出，以供應用及便於國際比較。
（三）等就業者：
為將不同工時的勞動投入，化為同一工作時數的就業者，故予以標準化為「等就業者」，其標準化的過程如下：
1．依人力資源調查計算各業全日工作者之平均工時（ NH ）。
2．依人力資源調查分別計算各從業身分別之平均工時，自營作業者 $\left(A H_{1}\right)$ ，雇主 $\left(A H_{2}\right)$ ，受僱者 $\left(A H_{3}\right)$ ，無酬家屬工作者 $\left(A H_{4}\right)$ 。
3．求各從業身分別等就業者之比例，即 $R_{i}=\frac{A H_{i}}{N H}, i=1,2,3,4$ 。
4．以 $R_{i}$ 乘就業者人數（ $E_{i}$ ）（受僱者採受僱員工資料），即為各從業身分之等就業者（ $E_{i}^{\prime}$ ）， $E_{i}^{\prime}=R_{i} \times E_{i}$ 。
5．各業別等就業者 $E^{\prime}=\sum_{i=1}^{4} E_{i}^{\prime}$

## 五，單位產出勞動成本

「單位產出勞動成本」主要在反映廠商勞動成本的變動，其衡量方法是以總薪資指數除以產出（實質國內生產毛額）指數而求得。即

單位產出勞動成本指數 $=\frac{\text { 總薪資指數 }}{\text { 實質國内生產毛額指數 }} \times 100$
（以民國 100 年為基期，產出係以 100 年為參考年計算之國內生產毛額連鎖實質值衡量）
當單位產出勞動成本指數上升時，表示相同單位的產出需要支付較多的勞動成本，或廠商支付相同的成本，唯生產的產出卻減少。上式中的總薪資指數因雇主，自營作業者，無酬

家屬工作者，並沒有薪資報酬，所以總薪資指數係以受僱員工之人數乘以其平均每人之薪資，再加上非受僱員工就業者（包含雇主，自營作業者，無酬家屬工作者）設算總薪資，然後再以民國 100 年為基期得到。

非受僱員工就業者總薪資設算公式如下：
非受僱員工就業者設算總薪資 $=\frac{\text { 非受僱員工就業者平均工時 }}{\text { 受僱員工平均工時 }} \times$ 受僱員工每人平均薪資 $\times$ 非受僱員工就業者人數
而各月農業部門之平均每人薪資，則以下列方法重新估計：
1．調整後農業平均薪資 $\left(M_{t}\right)=$ 農業受僱就業者平均每月主要工作收入（5 月）

$$
\times \frac{\text { 非農業受僱員工平均薪資 }(5 \text { 月) }}{\text { 非農業受僱就業者平均每月主要工作收入(5月) }} \circ
$$

2．基期（100 年 5 月）農業平均薪資 $M_{t}^{\prime}=\frac{M_{t-1}+M_{t}+M_{t+1}}{3}$ 。
3．重估後之各月農業平均薪資二基期農業平均薪資 $M_{t}^{\prime}$ $\times$ 農民所付物價指數—僱用工資類。
※非農業與農業之受僱就業者平均每月主要收入係取自行政院主計總處之「人力運用調查報告」。
※農民所付物價指數—僱用工資類係取自行政院農業委員會之「農業統計月報」。

## Compilation Method

## I. Theoretical Foundation

Productivity can be measured in terms of "average productivity" and "marginal productivity". In practice, the marginal productivity is still at the stage of theoretical discussion only. The present labor productivity statistics are all calculated by dividing "total input" into "total output".

For labor productivity derived from production value-added, the part of output refers to the real gross domestic product (GDP) obtained from the national income production account (NIPA) while the part of input is computed on the basis of the number of persons and working hours of employees, employers, own-account workers, and unpaid family workers, with data obtained from establishment and household surveys. The calculation formulas are shown as follows:
(1) Labor Productivity Index

$$
=\frac{\text { Real GDP Index }}{\text { Labor Input Index (working hours } \bullet \text { employed persons } \bullet \text { equi-employed persons) }} \times 100
$$

(The base year of the indexes is 2011 and output is real GDP in chained 2011 dollars.)
(2) Labor Productivity

$$
=\frac{\text { Real GDP }}{\text { Labor Input (working hours } \bullet \text { employed persons } \bullet \text { equi-employed persons) }}
$$

(Output is real GDP in chained 2011 dollars.)

## II. Industry Scope

"All industries" mentioned in this report include three sectors, such as "Agriculture, Forestry, Fishing \& Animal Husbandry Sector", "Industrial Sector" and "Services Sectors". "Industrial Sector" covers 5 section industries, such as "Mining \& Quarrying", "Manufacturing", "Electricity \& Gas Supply", "Water Supply \& Remediation Activities" and "Construction". "Services Sector" covers 11 section industries, such as "Wholesale \& Retail Trade", "Transportation \& Storage", "Accommodation \& Food Service Activities", "Information \& Communication", "Financial \& Insurance Activities", "Real Estate Activities", "Professional, Scientific \& Technical Activities", "Support Service Activities", "Human Health Activities", "Arts, Entertainment \& Recreation" and "Other Service Activities".

Furthermore, "Manufacturing" covers 25 division industries, such as "Manufacture of Food Products", "Manufacture of Beverages \& Tobacco Products", "Manufacture of Textiles", "Manufacture of Wearing Apparel \& Clothing Accessories", "Manufacture of Leather, Fur \& Related Products", "Manufacture of Wood \& of Products of Wood \& Bamboo", "Manufacture of Paper \& Paper Products", "Printing \& Reproduction of Recorded Media", "Manufacture of Petroleum \& Coal Products", "Manufacture of Chemical Material", "Manufacture of Chemical Products", "Manufacture of Pharmaceuticals \& Medicinal Chemical Products", "Manufacture of Rubber Products", "Manufacture of Plastics Products", "Manufacture of Other Non-metallic Mineral Products", "Manufacture of Basic Metals", "Manufacture of Fabricated Metal Products", "Manufacture of Electronic Parts \& Components",
"Manufacture of Computers, Electronic \& Optical Products", "Manufacture of Electrical Equipment", "Manufacture of Machinery \& Equipment", "Manufacture of Motor Vehicles \& Parts", "Manufacture of Other Transport Equipment \& Parts", "Manufacture of Furniture" and "Other Manufacturing".

Since the coverages of output are different from those of input in "Education" and "Social Work Activities", these two industries are excluded in statistical results of this report for consistency. Besides, "Other Manufacturing" includes "Repair \& Installation of Industrial Machinery \& Equipment" in line with the coverage of output.

## III. Output

In order to eliminate the effects of price fluctuation, the labor productivity index computed from production value should have been based on the real GDP derived from the NIPA. Since some items of the NIPA, such as ownership of dwellings, public administration \& defence; compulsory social security, value-added tax, import duties and statistical discrepancy, are included in the components of the GDP and they cannot find their counterpart items of labor input, thus these items are not included in the output for measuring productivity.

## 1. Ownership of Dwellings

This item refers to the rent for a house which is either leased or used by the owner himself. This item of output has no counterpart item of labor input and is accordingly excluded from the scope of output.

## 2. Public Administration \& Defence; Compulsory Social Security

This item refers to the administration of general public services, national defence and so forth, defence institutions and non-market non-profit institutions. This item of output is measured according to the settlement statement of all government agencies, and its amount of output equals to the expenses of consumption of fixed capital, compensation of employees and taxes on production and imports. This item of output also has no counterpart item of labor input and is excluded from the scope of output.

## 3. Value-Added Tax

This tax only applies to the added value, which is defined as all sales amounts of goods and services of a business entity after the deduction of expenses relating to the goods and services that were purchased from other taxable entity. Since value-added tax is no longer included in the output of every industry, thus this item is accordingly excluded from the scope of output.

## 4. Import Duties

This item comprises customs duties, harbor construction dues, import commodity duties and so forth. Because of some revision in the System of National Accounts (SNA), this item is no longer included in the output of every industry. Nowadays, there is no appropriate method used to include, and thus this item is excluded from the output of every industry.

## 5. Statistical Discrepancy

Although there is a conceptual consistency between three measures of GDP, such as output measure, expenditure measure and income measure, however these three measures often differ in practice. This is
because of the wide disparity of data sources that must be called on and the fact that any error in any source will lead to a difference between at least two of the GDP measures. It is inevitable that many such data errors will exist and will become apparent in exercises. Since statistical discrepancy is not included in the output of every industry, thus this item is accordingly excluded from the scope of output.

## IV. Labor Input

## 1. Working Hours

Generally, the change in working hours is a better input to show the movement of productivity than the change in the employed persons. The working hours should refer to the time used to do a job, rather than just the working time with pay. Because the GDP is used as the output data, the labor input should be the working hours dedicated by the employed persons (including not only man-hours of employees but man-hours of employers, own-account workers and unpaid family workers). The results produced in this way will then be able to meet the needs required in the analysis on productivity.

Currently, the DGBAS has collected data on employed persons and working hours obtained from household surveys. However, statistics on working hours of employees obtained from establishment surveys should be able to reflect the movement of productivity more accurately. Consequently, the labor in this case includes non-agricultural employees, employers, own-account workers and unpaid family workers obtained from Manpower Survey. The labor input, with adjusted working hours obtained from Employees' Earnings Survey, is calculated on the basis of the following formulas:
(1) Prior adjusted working hours of non-agricultural employed persons
(including employers, employees, unpaid family workers and own-account workers) $\times$
Working hours of employees
Working hours of employed persons in labor force
$=$ Adjusted working hours of non-agricultural employed persons.
(2) Prior adjusted weekly working hours of agricultural employed persons
(including employers, employees, unpaid family workers and own-account workers) $\div 7 \times$
the number of days of the current month
=Adjusted monthly working hours of agricultural employed persons.

## 2. Employed Persons

In view of the fact that some countries are still using the simpler indicator "output per employed person" to measure the movement of labor productivity, this report also present this indicator for readers to use in their own applications and make the international comparison. (The employed persons herein include employees, employers, own-account workers and unpaid family workers obtained from household surveys).

## 3. Equi-employed Persons

In order to transfer the employed persons of different working hours into the standard employment, the so-called "equi-employed persons", some standardization must be proceeded for employed persons. The standardized steps are shown as follows:
(1) Compute the average working hours of full-time workers ( NH ) from Manpower Survey.
(2) Compute the average working hours for each class of employed persons from Manpower Survey, for example, own-account workers $\left(A H_{1}\right)$, employers $\left(A H_{2}\right)$, employees $\left(A H_{3}\right)$ and unpaid family workers $\left(\mathrm{AH}_{4}\right)$.
(3) Compute the ratio for each class of equi-employed persons; that is,

$$
R_{i}=\frac{A H_{i}}{N H}, i=1,2,3,4 .
$$

(4) Multiply the ratio $R_{i}$ by each class of employed persons $E_{i}$ (the data of employees obtained from Employees' Earnings Survey) to derive the number of equi-employed persons $E_{i}^{\prime}, E_{i}^{\prime}=R_{i} \times E_{i}$.
(5) The number of equi-employed persons for each industry is $E^{\prime}, E^{\prime}=\sum_{i=1}^{4} E_{i}^{\prime}$.

## V. Unit Labor Costs

The "unit labor costs" are mainly designed to indicate the movement of production costs of the business firms. It is calculated by dividing the output (real GDP) index into the total earnings index. The formula is shown as follows:

$$
\text { Unit Labor Costs Index }=\frac{\text { Total Earnings Index }}{\text { Real GDP Index }} \times 100
$$

(The base year of the indexes is 2011 and output is real GDP in chained 2011 dollars.)
An increase in the unit labor costs index indicates that more labor costs should be paid to produce a unit of output, or that the same amount of labor costs can produce less amount of output. As employers, own-account workers and unpaid family workers do not get paid, the total earnings index in the above formula, given the base year of 2011, is derived from multiplying the average earnings of employees by the number of employees, and then adding total imputed earnings of non-employees (including employers, own-account workers and unpaid family workers). Total earnings of non-employees are imputed by the following method:

Total imputed earnings of employed persons of non-employees
$=\frac{\text { Average working hours of non-employees }}{\text { Average working hours of employees }}$
$\times$ Average earnings of employees
$\times$ Number of non-employees.
Besides, the average monthly earnings of employees in the agricultural sector are re-estimated as follows:

1. Adjusted average monthly earnings of agricultural employees $\left(M_{t}\right)$
$=$ Average monthly income of major job for agricultural employees (in May)
$\times \ldots$ Average monthly earnings of non-agricultural employees (in May)
$\times \overline{\text { Average monthly income of major job for non-agricultural employees (in May) }}$
2. Average monthly earnings of agricultural employees for base period (May, 2011)

$$
M_{i}^{\prime}=\frac{M_{i-1}+M_{t}+M_{t+1}}{3}
$$

3. Re-estimated average monthly earnings of agricultural employees
$=$ Average monthly earnings of agricultural employees for base period $\left(M_{t}^{\prime}\right)$
$\times$ Index of price paid for wage by farmers.

Note:
※The source of "Average Earnings of Agricultural and Non-agricultural Employees" are "Report on the Manpower Utilization Survey" published by the Directorate-general of Budget, Accounting and Statistics, Executive Yuan.
※The source of "Index of Price Paid for Wage by Farmers" is "Monthly Bulletin of Agricultural Statistics" published by the Council of Agriculture, Executive Yuan.

## 行政院主計總處編印之有關薪資與生產力統計報告一覽表：

薪資與生産力統計月報（電子書）<br>薪資與生產力統計年報 ＞受僱員工動向調查報告<br>＞產值勞動生產力堨勢分析報告<br>＞多因素生産力趨勢分析報告（電子書）<br>＞事業人力僱用狀況調查報告

## 產值勞動生產力趨勢分析報告工作人員

陳 㦖 行政院主計總處國勢普查處處長潘晑馨 行政院主計總處國勢普查處副處長譚文玲 行政院主計總處國勢普查處專門委員郭燕玲 行政院主計㮩處囹势普查處薪資調查科科長

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張耕銘 趙碧芳 林怡岑


[^0]:    ${ }^{2} 1$ 本報告全體產業實質國內生產毛額，係以 100 年為參考年之國內生產毛額連鎖實質值計算，其涵蓋範圍不含住宅服務，公共行政及國防；強制性社會安全，加值型營業稅，進口稅及統計差異，計算方式詳後附「編製方法說明」。

[^1]:    ${ }^{1}$ The real GDP of all industries mentioned in this report is in chained 2011 dollars, and does not include net factor income from the rest of the world, ownership of dwellings, government services and errors. As for its method of calculation, please refer to "Description of Methods Used in Compilation."

[^2]:    註：產出係以 100 年為參考年計算之國內生產毛額連鎖實質值衡量

[^3]:    Note：Output is real gross domestic product in chained 2011 dollars．

[^4]:    註：本報告書各表之行業分類係依第9－次修訂之中華民國行業標準分類。

[^5]:    Note：The industry scope and classification system of this report followed＂Standard Industrial Classification System of R．O．C．（Rev．9，2011）＂．

[^6]:    註：本報告書各表之行業分類係依第9－次修訂之中華民國行業標準分類。

[^7]:    Note：The industry scope and classification system of this report followed＂Standard Industrial Classification System of R．O．C．（Rev．9，2011）＂．

[^8]:    註：產出係以 100 年為參考年計算之國内生產毛額連鎖實質值衡量

[^9]:    Note：Output is real gross domestic product in chained 2011 dollars．

[^10]:    註：產出係以 100 年為參考年計算之國内生產毛額連镍實質值衡量。

[^11]:    Note：Output is real gross domestic product in chained 2011 dollars．

[^12]:    註：產出係以 100 年為參考年計算之國内生產毛額連鎖實質值衡量

[^13]:    Note：Output is real gross domestic product in chained 2011 dollars．

[^14]:    註：產出係以 100 年為參考年計算之國内生產毛額連镍實質值衡量。

[^15]:    Note：Output is real gross domestic product in chained 2011 dollars．

[^16]:    註：產出係以100年為參考年計算之國內生產毛額連鎖實質值衡量

[^17]:    Note：Output is real gross domestic product in chained 2011 dollars．

[^18]:    註：產出係以 100 年為參考年計算之國内生產毛額連鎖實質值衡量。

[^19]:    Note：Output is real gross domestic product in chained 2011 dollars．

[^20]:    Note：1．Output is real gross domestic product in chained 2011 dollars．
    2．Other manufacturing includes＂Repair \＆installation of industrial machinery \＆equipment＂．
    3．In line with the National Income Statistics release schedule，the results of every sub－industries in Manufacturing were available only prior to 2015.

[^21]:    Note：1．Output is real gross domestic product in chained 2011 dollars．
    2．Other manufacturing includes＂Repair \＆installation of industrial machinery \＆equipment＂．
    3．In line with the National Income Statistics release schedule，the results of every sub－industries in Manufacturing were available only prior to 2015.

[^22]:    Note：Other manufacturing includes＂Repair \＆installation of industrial machinery \＆equipment＂．

[^23]:    Note：Other manufacturing includes＂Repair \＆installation of industrial machinery \＆equipment＂．

[^24]:    Note：Other manufacturing includes＂Repair \＆installation of industrial machinery \＆equipment＂．

[^25]:    Source：R．O．C．－D．G．B．A．S．http：／／www．stat．gov．tw
    Japan－Cabinet Office http：／／www．esri．cao．go．jp／en／sna／sokuhou／sokuhou＿top．html
    U．S．A．－Bureau of Economic Analysis http：／／www．bea．gov／national／index．htm Bureau of Labor Statistics http：／／www．bls．gov／cps
    Hong Kong－Census and Statistics Department http：／／www．censtatd．gov．hk／
    Singapore－The Singapore Department of Statistics http：／／www．singstat．gov．sg／stats／
    Korea－Bank of Korea http：／／ecos．bok．or．kr／EIndex＿en．jsp
    Note：＊Output Per Employed Person＝Real GDP in Chained Dollars／Employed Person．

