Analysis of the Leading Sector and the Effect to Regional Minimum Wage (UMSK): A Case Study in Cimahi City, Indonesia

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Abstract

The purpose of this study was to analyze the leading sectors in the city of Cimahi and its influence on the regional minimum wage (UMSK) of the city of Cimahi. This research uses descriptive quantitative research. The data used is the Large and Medium Industry Statistical Data for 2011 to 2015. The leading sectors in Cimahi City in 2019 based on the 5 digit KBLI criteria, Large Business Scale, Added Value and Labor Productivity growth in the 2015 Large Industry data are 13131 Yarn Refinement Industry, 17019 Other Paper Industry, 13911 Knitted Fabric Industry, 20116 Basic Organic Chemistry Industry, Dyestuffs and Pigments, Dyes and Pigments, 25940 industrial Buckets, Cans, Drums, and Similar Containers of Metal, and 26310 Telephone and Facsimile Equipment Industry.

Keywords: Leading Sector, Regional Minimum Wage (UMSK), KBLI, Cimahi City.

A. INTRODUCTION

Cimahi City showed a higher economic growth rate of over 5% from 2011 to 2017 but experienced a slowdown since 2013. Figure 1 shows the Indonesian economy’s development, which grew rapidly in 2012, then fell sharply in 2013. Cimahi’s economic development continues to offer better performance than the national economic growth. One of the indicators to show the welfare rate of a region is the gross regional domestic product (GRDP) databased on prices that are valid or based on constant prices. Moreover, the welfare of a community is also indicated by the income per capita of a region, which even an indicator of economic growth (Sutanti & Dwi, 2019).
Figure 1. Cimahi City Economic Growth Rate (%)

Source: BPS Kota Cimahi, 2017

Cimahi City’s economy is dominantly controlled by three economic sectors: the Manufacturing Industry, the Construction Sector, and the Wholesale and Retail Trade, Car and Motorcycle Repair sectors. These three sectors controlled the economy by more than 75% in 2017. The manufacturing industry contributed 45.15% to Cimahi City’s GRDP in 2017, and the other two sectors respectively contributed 13.08% and 17.54% in 2017. Figure 1.2. Show the role of each economic sector in Cimahi City’s GRDP in 2017.

Manufacturing has traditionally played a vital role in the economic development of developing countries. In recent years, it has been argued that the importance of manufacturing has diminished over the last 20–25 years, resulting in premature deindustrialization or non-industrialization in developing countries (Haraguchia et al., 2017). The Manufacturing Industry sector plays a significant role in driving the economy, seen from the enormous contribution to Cimahi City’s economy. The other sectors are all under 20% in the economy and relatively small compared to the manufacturing sector.
The development of the Manufacturing Industry sector itself has played a declining role in the Cimahi City economy. This is indicated by the decline in the manufacturing sector's contribution to the PDRB of Cimahi City, which has continued from 2011 to 2017. The decrease in this sector will undoubtedly increase with the increase in other sectors. The sector with an apparentrise in Cimahi City's GRDP is the Information and Communication sector. Information and communication technologies (ICTs) are critical enablers of innovation throughout the economy. In most OECD economies, information industries account for the largest share of business expenditures on research and development, amounting to about 25% of total business expenditures on research and development and 0.2% to 0.4% of GDP (Hong, 2017).

Figure 2 above shows the economic structure in 2017, which is the latest information from existing data to lead the development of the economic system in Cimahi City. 4 sectors have a contribution of more than 5% so that four economic sectors play a significant role in the economy in Cimahi City. Labor issues in Indonesia must receive serious attention from various parties, both government and private. Labor issues are the main problems that must be faced by the state and the people of Indonesia. So, it is suggested that the government should embrace the private sector to reduce and resolve labor problems jointly. Limited employment triggers some of the main issues of employment in Indonesia low quality of labor,
high unemployment, wage factors, and social security factors that are considered inadequate (Olilingo & Putra, 2020).

Table 1 illustrates that the role of the processing industry provides the most extensive employment opportunities in Cimahi City. An increase in the workforce increases between 2016-2017 in the Manufacturing Industry sector, where there was a decrease in the Manufacturing Industry sector’s contribution in the same year.

Table 1 Cimahi City Residents Aged 15 Years and Over Who Worked 2016-2017

| Sector | Person   | Percent |
|--------|----------|---------|
|        | 2016     | 2017    |
|        | 2016     | 2017    |
| Agriculture, Forestry, Hunting & Fishery | 2,698 | 5,533 | 1.10 | 2.15 |
| Processing industry | 75,912 | 89,435 | 31.08 | 34.79 |
| Wholesaler & Retail, RM & Hotel | 67,535 | 76,833 | 27.65 | 29.88 |
| Community Services | 60,559 | 46,156 | 24.79 | 17.95 |
| Mining, LGA, Building, Transportation, Warehousing, Communication, and Finance | 37,574 | 39,148 | 15.38 | 15.23 |
| **Total** | **244,278** | **257,105** | **100.00** | **100.00** |

Source: Cimahi in Figures 2018

Based on the table above, many workers are in the Manufacturing Industry sector, followed by the Wholesale & Retail Trade, RM & Hotel sector which are the two major sectors in the absorption of labor in Cimahi City. The welfare of workers in Cimahi City is reflected in the minimum wage of Cimahi City, which is decided by the Governor of West Java Province each year. Cimahi City Minimum Wage (UMK), as shown in Table 1.2, shows that it has always increased from 2014. Since 2016, the determination of UMK has used Government Regulation No. 78 of 2015 concerning Wages. According to this Government Regulation, the increase refers to national economic growth and the current inflation period so that all regions receive an increase in UMK based on this stipulation.

Table 2 Cimahi City Minimum Wage (UMK)

| Year  | UMK (Rupiah) | Growth (%) |
|-------|--------------|------------|
| 2014  | 1,735,473    | 26.83      |
| 2015  | 2,001,200    | 15.31      |
| 2016  | 2,275,715    | 13.72      |
| 2017  | 2,463,461    | 8.25       |
| 2018  | 2,678,028    | 8.71       |
| 2019  | 2,893,074    | 8.03       |

Source: Various West Java Governor Regulations concerning Determination of UMK

Besides, this Government Regulation states that the Governor can determine the provincial or district/city sectoral minimum Wages based on an agreement between the employers’ association and the workers/labor union in the sector concerned. The sectors that can be proposed to get a wage increase above the UMK are the leading sectors in each regency/regency city. Cimahi City, as an industrial-based economic area, requires a study in determining the top sectors in the Cimahi.
City area. The study of the sector's leading economic potential is essential for future development planning, especially in implementing regional autonomy, which will be impacted by its potential and resources (Sutanti & Dwi, 2019). This stipulation provides an overview of the ability of the leading sectors to support the superior economy of Cimahi City and, at the same time, can be used as a reference in submitting the Cimahi City Sectoral Minimum Wage. The research objective is to determine the leading sectors of Cimahi City based on four categories of the Minister of Manpower Regulation No. 15 of 2018 concerning Minimum Wages.

B. LITERATURE REVIEW

1. Industry

The processing Industry is an economic activity that changes an essential item mechanically, chemically, or by hand. It becomes finished/semi-finished goods, and/or goods with less value become higher-value goods and are closer to the end-user. Included in this activity is industrial services/makloon and assembling work (BPS.go.id).

Industrial services are industrial activities that serve the needs of other parties. In this activity, raw materials are provided by other parties. Simultaneously, the processor only carries out processing in exchange for a certain amount of money or goods as compensation (makloon wages), for example a rice milling company that mills rice / unhulled farmers with certain remuneration (BPS.go.id). A company or industrial business is a business unit (unit) that carries out economic activities, aims to produce goods or services, is located in a certain building or location, and has separate administrative records regarding production and cost structure. There is one or more people who are responsible for the business (BPS.go.id).

Industry classification refers to two sources: the Indonesian Central Bureau of Statistics and Law No. 20 of 2008 on Micro, Small and Medium Enterprises. These two sources suggest different approaches to classifying industries. The classification of processing industrial companies is solely based on the number of workers who work, regardless of whether they use power machines. Without regard to the size of the company's capital. Processing Industry Companies are divided into 4 groups, namely:

- a. Large Industry (number of workers 100 people or more)
- b. Medium Industry (number of workers 20-99 people)
- c. Small Industry (number of workers 5-19 people)
- d. Home Industry (number of workers 1-4 people)

The definition of small business in Indonesia is UMKM (Micro, Small and Medium Enterprises). Under Law Number 20 the Year 2008 on Micro, Small and Medium Enterprises, the business world there are four categories namely: micro, small businesses, medium businesses and large enterprises conducting economic activities in Indonesia and domiciled in Indonesia. According to the law, the criteria that differentiate the business world are ownership of net assets and annual sales.
a. For micro-businesses, the criteria are as follows:
   1) Has a net worth of at most Rp. 50,000,000.00 (fifty million rupiahs) excluding land and buildings for business; or
   2) Have annual sales of at most Rp. 300,000,000.00 (three hundred million rupiahs).

b. Furthermore, the criteria for small businesses are:
   1) Has a net worth of more than Rp. 50,000,000.00 (fifty million rupiahs) up to a maximum of Rp. 500,000,000.00 (five hundred million rupiahs) excluding land and buildings for business premises; or
   2) Has annual sales of more than Rp. 300,000,000.00 (three hundred million rupiahs) up to a maximum of Rp. 2,500,000,000.00 (two billion five hundred million rupiahs).

c. Meanwhile, the criteria for medium enterprises are
   1) Has a net worth of more than Rp. 500,000,000.00 (five hundred million rupiahs) up to a maximum of Rp. 10,000,000,000.00 (ten billion rupiahs) excluding land and buildings for business; or
   2) Has annual sales of more than Rp. 2,500,000,000.00 (two billion five hundred million rupiahs) up to a maximum of Rp. 50,000,000,000.00 (fifty billion rupiahs).

d. Based on these criteria, a large-scale business is a level of wealth and sales that is higher than the requirements for medium-sized businesses, namely:
   1) Has a net worth of more than Rp. 10,000,000,000.00 (ten billion rupiahs) excluding land and buildings for business; or
   2) Has annual sales of more than Rp. 50,000,000,000.00 (fifty billion rupiahs).

2. Leading Sector Variables
   Leading/base economic sectors in a region are sectors that have higher production capability compared to the ability of the same sector in other regions, thus the leading/base economic sector products and services aside from being able to meet their own needs, the rest can be sold outside the region so that the region receives income (Sayuti & Safitri, 2020)

   The determination of the leading sectors of Cimahi City refers to the Minister of Manpower Regulation No. 15 of 2018 concerning Minimum Wages. The third part of this Ministerial Regulation regarding District/City Sectoral Minimum Wages, Article 15 paragraph two emphasizes that the leading sector studies must examine the following variables:
   a. Business category according to KBLI 5 (five) digits

   KBLI is a reference classification used to classify Indonesian economic activities/activities into several business fields/business fields, differentiated based on the type of economic activity that produces products/outputs in goods and services. KBLI consists of a classification structure of economic activities that is consistent and interconnected, based on internationally agreed concepts, definitions, principles, and classification procedures. The KBLI provides a comprehensive
framework in which economic data can be collected and presented in a format designed to design, process, disseminate, analyze, and plan and evaluate policies. The basis for the preparation of KBLI is the International Standard Industrial Classification of All Economic Activities (ISIC), up to 4 digits, adjusted to the ASEAN Common Industrial Classification (ACIC) and East Asia Manufacturing Statistics (EAMS), and developed in detail up to 5 digits for economic activities that are unique to Indonesia (BPS, 2020).

KBLI is used to provide a continuous flow of information, which is necessary to monitor and evaluate activities over a certain period, for example, in the preparation of GDP/GRDP. Provide a classification system for economic activities/business fields that can be used to measure economic units' behavior. Displays statistical data in a complete and structured manner. Make comparisons between data at the national level with other countries. It is communicating domestic and foreign officials. As a basis for determining the qualifications for a Trade Business License (SIUP). As a basis for determining the qualifications for Company Registration Certificate (TDP). As a basis for determining the procurement of goods and services. As the basis for the business sector system to obtain a Business Identification Number, and as the basis for the business sector for Taxpayer registration.

b. Companies with Large Business Scale
The variables of the Large and Medium Industries Statistics are ISIC5 (5 digit KBLI), Input, Output and Labor. The leading sector is a sector that is very important in the economic development of a region. A leading sector is a sector capable of encouraging growth or development for other sectors, both the sector that supplies its input and the sector that uses its output as an input in the production process.

According to Sayuti & Safitri (2020) there are four conditions for certain sectors to become superior sectors, namely:

1) The sector must produce products that have a large enough demand so that the rate of economic growth develops rapidly as a result of the demand effect.
2) Because there are changes in technology that are creatively adopted, the new production function will shift with a wider capacity development.
3) There must be an increase in reinvestment of the products of the priority sectors, both private and public.
4) The sector must develop so that it is able to have an influence on other sectors.

c. Value added growth
Value added is the amount of output minus the value of the input (intermediate cost). Calculation method: NTB = Output-Input
d. Labor Productivity
The economic growth of a region can be determined by some factors of production which belong to the region; those are man-made factor of productions,
natural resources, human resources, and the level of technology used. Human resource is an important factor of production in determining the level of economic growth because it closely relates to the skills and technological advances that determines the level of productivity in a given sector or region, also affects the inequality of income (Kadir, 2018).

The number of workers is the number of workers/employees on average, both paid and unpaid. Production Workers are workers who directly work in the production process or are related to it, including workers who directly complete the production process, operate machines, record raw materials used, and goods produced. Other workers are workers who are not directly related to the production process. These workers are usually company support workers, such as managers (not production), head of personnel, typists, night guards, company drivers, etc.

Labor productivity is the ability of workers to produce manufactured goods.

C. METHOD

This research uses descriptive quantitative research. The data used is the Large and Medium Industry Statistical Data for 2011 to 2015. This data is used because it has information on all the variables required by Permenaker No. 15 of 2018. Limited data years, only until 2015 can still be analyzed by looking at developments in the series from 2011 to 2015. Data processing for each variable can provide the following:

1. Collecting data on Large and Medium Industry Cimahi City in 2011-2015
2. Determination of Large and Medium Industries' data with the 5-digit KBLI category using the 5-digit ISIC (International Standard Industrial Classification) in the data.
3. Filter data for large businesses. The definition of a large-scale business refers to two sources, namely:
   a) BPS, Large Industry (number of workers 100 people or more)
   b) Law No. 20 of 2008 has a value of 50 billion rupiahs or more.
4. Determining a large business scale in two alternative ways, namely:
   a) Determine the group of companies included in large industries with the provision that they have 100 workers or more or enter the criteria with an output of 50 billion or more.
   b) Determine the group of companies belonging to large industries with an output of 50 billion or more.
5. Calculate large industrial groups' added value by subtracting the value of the Input from each KBLI.
6. Calculating the value added growth of large industrial groups, with the formula: 
   \[ \text{Value Added Growth} = \left\{ (\text{Period Added Value} - \text{Period Added Value (t-1)}) / \text{Period Added Value (t-1))} \right\} \times 100 \text{ of each KBLI.} \]
7. Calculating labor productivity by dividing the Output Value by the number of workers from each KBLI.
8. Determine the leading sectors with the following criteria:
a) Has a positive added value
b) Have to Labor Productivity above the Median of Largest Labor Productivity each year.
c) At least KBLI appears in 3 years during 2012-2015 and must exist in 2015.

D. RESULTS AND DISCUSSION

1. Business Category According to 5 Digit KBLI

The data processing in this section only determines the data based on the 5-digit KBLI according to the KBLI made by BPS. Large and Medium Industry Data for Cimahi City refers to the 2009 KBLI. Based on the tabulations for each KBLI, it was obtained 139 companies for 2011-2013, 159 companies in 2014, and 162 companies in 2015. Many KBLIs have only one company or exist for some years and no company in other years.

Table 3 shows the number of companies for each KBLI from the raw data obtained. This data still covers medium scale industries, which will be removed at a later stage. Basically, the table below explains that all the data obtained has been classified into the 5 digit KBLI.

**Table 3 Number of Companies in Large and Medium Scale Industries for each 5 Digit ISIC in Cimahi City**

| ISIC5  | 2011 | 2012 | 2013 | 2014 | 2015 |
|--------|------|------|------|------|------|
| 10130  | -    | -    | -    | -    | 1    |
| 10710  | 4    | 4    | 4    | 4    | 3    |
| 10750  | -    | -    | -    | 1    | -    |
| 10771  | 2    | 2    | 2    | 2    | 2    |
| 10793  | 2    | 2    | 2    | 2    | 1    |
| 10794  | 6    | 6    | 6    | 6    | 7    |
| 10799  | 1    | 1    | 1    | -    | 1    |
| 11040  | 1    | 1    | 1    | 1    | 1    |
| 13112  | 3    | 3    | 3    | 5    | 4    |
| 13113  | -    | -    | -    | 1    | 2    |
| 13121  | 19   | 19   | 19   | 22   | 18   |
| 13122  | -    | 1    | 1    | -    | -    |
| 13131  | 3    | 3    | 3    | 3    | 3    |
| 13132  | 17   | 16   | 16   | 18   | 17   |
| 13133  | 3    | 3    | 3    | 5    | 5    |
| 13911  | 11   | 11   | 11   | 17   | 15   |
| 13912  | 1    | -    | -    | 1    | 1    |
| 13921  | 4    | 4    | 4    | 4    | 3    |
| 13929  | 1    | 1    | 1    | 1    | 1    |
| 13992  | -    | -    | -    | -    | 5    |
| 13999  | -    | 1    | 1    | -    | -    |
| 14111 | 9 | 10 | 10 | 14 | 14 |
|-------|---|----|----|----|----|
| 14120 | 1 | -  | -  | -  | 1  |
| 14131 | 1 | 1  | 1  | 1  | 2  |
| 14301 | 2 | 2  | 2  | 3  | 3  |
| 14303 | - | -  | -  | -  | 1  |
| 15112 | 1 | 1  | 1  | 1  | 1  |
| 15121 | 1 | 1  | 1  | 1  | 1  |
| 15201 | 2 | 3  | 3  | 2  | 2  |
| 15202 | - | -  | -  | 1  | 1  |
| 15209 | 1 | -  | -  | -  | -  |
| 17019 | 2 | 2  | 2  | 2  | 2  |
| 20116 | 1 | 1  | 1  | 1  | 1  |
| 20118 | 1 | 1  | 1  | 1  | 1  |
| 20221 | 2 | 2  | 2  | 2  | 2  |
| 20301 | - | -  | -  | -  | 1  |
| 21011 | - | 1  | 1  | -  | -  |
| 21012 | 3 | 2  | 2  | 3  | 2  |
| 21022 | - | -  | -  | -  | 1  |
| 22192 | 1 | 1  | 1  | 1  | 1  |
| 22199 | 1 | 1  | 1  | 1  | 1  |
| 22220 | 8 | 8  | 8  | 8  | 9  |
| 22291 | 2 | 2  | 2  | 2  | 1  |
| 22299 | - | -  | -  | -  | 2  |
| 23953 | 2 | 2  | 2  | 2  | 2  |
| 24201 | 1 | 1  | 1  | 1  | 1  |
| 24204 | 1 | 1  | 1  | 1  | 1  |
| 25119 | - | -  | -  | -  | 1  |
| 25130 | 1 | 1  | 1  | 1  | 1  |
| 25934 | 1 | 1  | 1  | -  | 1  |
| 25940 | 1 | 1  | 1  | 1  | 1  |
| 25991 | 1 | 1  | 1  | 1  | -  |
| 25992 | 1 | 1  | 1  | 1  | 1  |
| 25999 | 2 | 2  | 2  | 3  | 1  |
| 26310 | 1 | 1  | 1  | 1  | 1  |
| 28199 | 1 | 1  | 1  | 1  | 2  |
| 28250 | 1 | -  | -  | -  | -  |
| 28263 | 2 | 2  | 2  | 2  | 2  |
| 29200 | - | -  | -  | -  | 1  |
| 29300 | - | -  | -  | 1  | -  |
| 30912 | 3 | 3  | 3  | 2  | 2  |
2. Companies with Large Business Scale

This stage determines which companies are included in the large industrial business scale. Based on data from Large and Medium Industries, data is released only based on large industry categories. This category refers to the Number of workers 100 people or more (Based on Labor) and Has an output value of 50 billion rupiahs or more (Based on Output Value / Turnover).

Table 4 has filtered companies that enter large scale businesses that have criteria of Labor or Output Value. This means that one of the criteria included in the calculation will make the company a large-scale company. The number of companies for each year has decreased after being reduced by medium-sized enterprises. In 2011 there were only 71 companies, 67 in 2012, 69 in 2013, up to 80 in 2014 and 89 companies in 2015.

Table 4 Number of Companies on a Large Industrial Scale in Cimahi City Based on Output Value and Labor

| ISIC5  | ISIC Description                                      | 2011 | 2012 | 2013 | 2014 | 2015 |
|--------|-------------------------------------------------------|------|------|------|------|------|
| 10771  | Soy Sauce Industry                                    | -    | -    | -    | 1    | 1    |
| 10793  | Food Industry From Soybean and Other Nuts Not soy sauce, tempeh and tofu | -    | 1    | 1    | 1    | 1    |
| 13112  | Yarn Spinning Industry                                | 1    | 1    | 1    | 4    | 3    |
| 13113  | Yarn Spinning Industry Sewing                         | -    | -    | -    | -    | 1    |
| 13121  | Weaving Industry (No. Jute Sack Weaving and Other Sacks) | 12   | 10   | 11   | 10   | 9    |
| 13122  | Ikat Woven Fabric Industry                            | -    | 1    | 1    | -    | -    |
| 13131  | Enhancement Industry Yarn                              | 3    | 3    | 3    | 3    | 3    |
| 13132  | Fabric Refinement Industry                             | 11   | 11   | 11   | 13   | 11   |
| 13133  | Fabric Printing Industry                               | 3    | 2    | 2    | 4    | 4    |
| 13911  | Knitted Fabric Industry                                | 5    | 4    | 4    | 9    | 11   |
| 13912  | Embroidery/Embroidery Fabric Industry                  | 1    | -    | -    | 1    | -    |
| 13921  | Textile Finished Goods Industry For Home Use Stairs    | 2    | 2    | 2    | 2    | 1    |
| 13992  | Producing Industry Industrial                          | -    | -    | -    | -    | 5    |

Source: Large and Medium Industry Statistics
| Code   | Description                                                                 | 7 | 6 | 5 | 7 | 10 |
|--------|------------------------------------------------------------------------------|---|---|---|---|----|
| 14111  | Apparel Industry (Convection) From textiles                                 | 7 | 6 | 5 | 7 | 10 |
| 14131  | Apparel Industry from Textiles                                              | 1 | 1 | 1 | 1 | 1  |
| 14301  | Knitted Apparel Industry                                                    | - | - | - | 1 | 1  |
| 14303  | Sock Knitting Industry                                                      | - | - | - | - | 1  |
| 15121  | Leather Goods Industry and Artificial Leather For Purpose Personal           | 1 | 1 | 1 | 1 | 1  |
| 17019  | Other Paper Industry                                                        | 1 | 1 | 1 | 1 | 1  |
| 20116  | Organic Basic Chemical Industry, Dye and Raw Materials Pigments, Dyes and Pigments | 1 | 1 | 1 | 1 | 1  |
| 20118  | Organic Basic Chemical Industry Which Produce Material Special Chemistry.    | - | 1 | - | - | 1  |
| 2021   | Paint Industry                                                              | 2 | 2 | 2 | 2 | 2  |
| 20301  | Fiber/Filament Yarn Industry Artificial                                      | - | - | - | - | 1  |
| 21011  | Pharmaceutical Material Industry                                            | - | 1 | 1 | - | -  |
| 21012  | Textile Finished Goods Industry, For Health Purposes                         | 2 | - | - | 1 | 2  |
| 21999  | Industrial Goods From Other rubber                                          | 1 | 1 | 1 | 1 | 1  |
| 22200  | Plastic Packaging Industry                                                  | 4 | 4 | 4 | 4 | 5  |
| 22291  | Plastic Goods Industry Sheet Industrial Goods From                           | - | - | 2 | - | -  |
| 23953  | Cement and Lime For Construction                                            | 1 | 1 | 1 | 1 | 1  |
| 24201  | Metal Manufacturing Industry Basic not Iron                                 | 1 | 1 | 1 | 1 | -  |
| 24204  | Non Metal Extrusion Industry Iron Tank Industry, Shelter                     | 1 | 1 | 1 | 1 | 1  |
| 25130  | Liquids, and Containers From Metal                                          | - | 1 | - | - | -  |
| 25934  | Other Equipment Industry From Metal                                         | 1 | 1 | 1 | - | 1  |
| 25940  | Various Containers Industry From Metal Office Equipment Industry From         | 1 | 1 | 1 | 1 | 1  |
| 25991  | Metal, Not Included Furniture                                               | 1 | 1 | 1 | 1 | -  |
| 25992  | Kitchen Appliance Industry From                                             | 1 | 1 | 1 | 1 | -  |
Table 3. Number of Companies on a Large Industrial Scale in Cimahi City Based on Output Value

| ISIC5  | ISIC Description                                      | 2011 | 2012 | 2013 | 2014 | 2015 |
|--------|------------------------------------------------------|------|------|------|------|------|
| 10771  | Soy Sauce Industry                                    | -    | -    | -    | 1    | 1    |
| 10793  | Food Industry From Soybean and Other Nuts No. Soy Sauce, Tempe and Tofu | -    | -    | -    | 1    | 1    |
| 13112  | Yarn Spinning Industry                                | -    | 1    | 1    | 4    | 3    |
| 13113  | Sewing Thread Spinning Industry                       | -    | -    | -    | -    | 1    |
| 13121  | Weaving Industry (Non-Woven Jute Sacks and Other Sacks) | 10   | 8    | 9    | 9    | 7    |
| 13122  | Ikat Woven Fabric Industry                           | -    | 1    | -    | -    | -    |
| 13131  | Yarn Refinement Industry                              | 2    | 3    | 3    | 1    | 2    |
| 13132  | Fabric Refinement Industry                            | 9    | 9    | 8    | 13   | 9    |
| 13133  | Fabric Printing Industry                              | 3    | 2    | 2    | 4    | 2    |
| 13911  | Knitted Fabric Industry                               | 5    | 3    | 3    | 7    | 11   |
| 13912  | Embroidery/Embroidery/Fabric                         | -    | -    | -    | 1    | -    |

Source: Large and Medium Industry Statistics

As an alternative, large scale business calculations only include an output value of at least 50 billion. The number of companies using this method is less than combining the two methods / two sources. The number of companies from 2011 to 2015 was 42, 46, 41, 61, and 70. This method is more straightforward because it refers to Law No. 20 of 2008 and can consider the number of workers less than 100 but has a large output value.
| Industry | Code |
|----------|------|
| Textile Finished Goods Industry | 13921 |
| Household Purposes | 1 | 2 | 1 | 2 | 1 |
| Industries That Produce Fabrics | 13992 |
| Industrial Use | - | - | - | - | 4 |
| Apparel Industry (Convection) From Textiles | 14111 |
| | 2 | 2 | 1 | 4 | 7 |
| Apparel Industry From Textiles | 14131 |
| | - | - | 1 | 1 | - |
| Knitted Apparel Industry | 14301 |
| | - | - | - | - | 1 |
| Sock Knitting Industry | 14303 |
| | - | - | - | - | 1 |
| Leather and Leather Goods Industry | 15121 |
| Artificial For Personal Use | 1 | 1 | - | - | 1 |
| Other Paper Industry | 17019 |
| | 1 | 1 | 1 | 1 | 1 |
| Basic Organic Chemical Industry, Materials Standard Dyes and Pigments, Substances Color and Pigments | 20116 |
| | 1 | 1 | 1 | 1 | 1 |
| Organic Basic Chemical Industry | 20118 |
| Produce Special Chemicals. | - | 1 | - | - | 1 |
| Paint Industry | 20221 |
| | 1 | 2 | 2 | 2 | 2 |
| Fiber / Artificial Filament Yarn Industry | 20301 |
| | - | - | - | - | 1 |
| Pharmaceutical Material Industry | 21011 |
| | - | - | - | - | - |
| Textile Finished Goods Industry, For Health Needs | 21012 |
| | 1 | - | - | - | 1 |
| Rubber Goods Industry | 22199 |
| other | - | - | - | - | 1 |
| Plastic Packaging Industry | 22220 |
| | 1 | 2 | 1 | 2 | 4 |
| Sheet Plastic Goods Industry | 22291 |
| | - | - | 2 | - | - |
| Cement and Goods Industry | 23953 |
| Lime For Construction | - | 1 | - | 1 | - |
| Base Metal Manufacturing Industry | 24201 |
| not Iron | 1 | 1 | 1 | 1 | - |
| Non-ferrous Metal Extrusion Industry | 24204 |
| | - | 1 | - | - | 1 |
| Industrial Tank, Liquid Storage, and Metal Containers | 25130 |
| | - | 1 | - | - | 1 |
| Other Metal Equipment Industry | 25934 |
| | - | 1 | - | - | - |
| Various Kinds Of Containers Industry | 25940 |
| Metal | - | - | 1 | 1 | 1 |
| Metal Office Equipment Industry, Not Including Furniture | 25991 |
| | - | - | - | - | - |
Value-Added Growth

Added value is the amount of output minus the value of the input (intermediate cost). The calculation refers to the sector not the company, so the added value calculated is the added value of the sector in the 5 digit KBLI for large-scale industries. Similar to the calculation for large scale businesses, the calculation of added value will refer to two alternative methods, namely the first method of output and labor. The second method is only based on output.

Table 4. and Table 4.5 provides the calculation of added value per sector for the two approaches above. Table 4.4. shows positive value-added growth in 2015 colored green. 2015 is a prerequisite for entry into the leading sector, because it is the last available data and shows the last measurable performance

Table 4 Added Value to Large Industrial Scale Companies in Cimahi City Based on Output and Labor

| ISIC5  | ISIC  | Value of Rupiah | Growth (%) |
|--------|-------|-----------------|------------|
|        |       | 2011 2012 2013 2014 2015 | 2012 2013 2014 2015 |
| 10771  | Soy Sauce Industry | - - - 17.60 8.71 | -50.50 |
|        | Industry Food From Kedele and | | |

Source: Large and Medium Industry Statistics (Processed)
| Code   | Industry Description                  | 10793 | 11312 | 13113 | 13114 | 13115 | 13116 | 13117 | 13118 | 13119 |
|--------|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|        | Nuts-nuts                             | 95.00 | 65.30 | 146.80| 87.60 | -31.26| 124.81| 40.33 |
|        | Others No. Soy Sauce, Tempe and Know  |       |       |       |       |       |       |       |       |       |
| 13112  | Industry Spinning Yarn                | 37.20 | 44.80 | 65.54 | 379.12| 165.20| 20.43 | 46.28 | 478.49| -56.43|
| 13113  | Industry Spinning Sewing thread       | -     | -     | -     | -     | 341.73|       |       |       |       |
|        | Industry Weaving (Not Spinning)       |       |       |       |       |       |       |       |       |       |
|        | Gunny sack and Sacks Other            | 784.07| 827.85| 2,922.16| 3,186.74| 805.58| 5.58 | 252.98| 9.05  | -74.72|
|        |                                        |       |       |       |       |       |       |       |       |       |
| 13122  | Fabric Industry Ikat Weaving          | -     | 17.20 | 11.27 | -     | -     | 341.73|       |       |       |
| 13131  | Yarn Refinement Industry              | 241.37| 255.44| 362.25| 145.12| 159.19| 5.83 | 41.81 | 9.69  |       |
| 13132  | Fabric Refinement Industry            | 399.05| 1,046.49| 817.98| 1,626.24| 1,089.43| 162.24| -21.84| 98.81 | -33.01|
| 13133  | Industry Printing Fabric              | 277.19| 382.87| 440.72| 1,544.10| 79.32 | 38.13 | 15.11 | 250.36| -94.86|
| 13911  | Fabric Industry Knitted               | 276.02| 85.03 | 199.98| 717.42| 1,776.13| -69.19| 135.19| 258.76| 147.57|
| 13912  | Fabric Industry Embroidery / Bordi r  | 17.80 | -     | -     | 30.34 |       |       |       |       |       |
| 13921  | Industry Finished goods Textiles For Necessity House Stairs | 3,530.16 | 2,615.20 | 2,856.42 | 1,365.86 | 19.61 | 25.92 | 9.22 | 52.18 | 98.56 |
| 13992  | Yang Industry Produce Fabric Necessity Industry | - | - | - | 252.35 |       |       |       |       |       |
| 14111  | Industry Apparel (Convection)         | 271.08| 228.32| 238.41| 343.00| 2,107.11| -15.77| 4.42 | 43.87 | 514.31|

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| Code  | Industry / Equipment From Textiles | 14131 | Industry Apparel Knitted | 14301 | Industry Knitted T-shirts Feet | 14303 | Industry Goods from Skin and Skin Made For Necessity Personal | 15121 | Paper Industry Others | 17019 | Chemical Industry Basic Organic, Raw material, Dyes and Pigment, Substance Color and Pigment | 20116 | Chemical Industry Organic Basis That Produce Chemical material Special. | 20118 | Paint Industry | 20221 | Fiber Industry / Yarn Filament Artificial | 20301 | Material Industry Pharmacy | 21011 | Industry Finished goods Textiles, For Necessity Health | 21012 | Industry Goods From Rubber | 22199 |
|-------|----------------------------------|-------|--------------------------|-------|---------------------------------|-------|-----------------------------|-------|----------------------|-------|-------------------------------------------------|-------|-------------------------------------|-------|----------------------|-------|-----------------------------|-------|-------------------------------------------------|-------|
|       |                                  | 12.20 | 8.21                     | 33.60 | 19.12                           | 11.82 | 32.72                       | 309.37| -43.08               | 38.17 | 80.19                           | 47.63 | 17.12                               | 26.56 | 144.72               | 265.20| 281.60                           | 80.19 | 124.75                           | 493.07| 6.18                            | -71.52| 55.57       |
| Industry | Type | Value 1 | Value 2 | Value 3 | Value 4 | Value 5 | Value 6 | Value 7 | Value 8 |
|----------|------|---------|---------|---------|---------|---------|---------|---------|---------|
| 22220    | Industry Packaging From Plastic | 41.22   | 42.91   | 336.37  | 381.26  | 4,368.41| 4.11    | 683.89  | 13.35   | 1,045.78|
| 22291    | Industry Plastic Goods Sheet   | -       | -       | 78.09   | -       | -       |         |         |         |
| 23953    | Industry Goods From Cement and Lime To Construction | 8.70 | 16.60 | 9.18 | 18.42 | 15.16 | 90.87 | -44.71 | 100.69 | -17.70 |
| 24201    | Industry Making                | 109.90  | 64.00   | 99.74   | 109.80  | -       | 41.77   | 35.85   | 10.09   |         |
| 24204    | Industry Extrusion Metal Not Iron | 7.80 | 13.07 | 12.18 | 13.47 | 64.12 | 67.52 | -6.83 | 10.63 | 375.88 |
| 25130    | Industry Tank, Shelter Liquid, and Container From Metal | - | 27.45 | - | - | - | - | - | - |
| 25934    | Industry Equipment Other From Metal | 0.96 | 43.31 | 8.46 | - | 11.93 | 4,421.30 | -80.46 | - |
| 25940    | Industry Kinds of sorts Container From Metal | 8.67 | 13.90 | 17.58 | 22.72 | 33.43 | 60.32 | 26.45 | 29.23 | 47.16 |
| 25991    | Industry Equipment Office Of Metal, No. Including Furniture | 9.16 | 4.69 | 5.69 | 5.82 | - | 48.75 | 21.17 | 2.29 | - |
| 25992    | Tool Industry-kitchen set From Metal | 13.08 | 8.37 | 9.20 | 22.64 | 47.44 | -36.02 | 9.96 | 146.00 | 109.56 |
| 25999    | Tool Industry-Metal Goods Others Yang Not Classified n In Place Other | 15.78 | 28.32 | 24.94 | 42.72 | 7.72 | 79.44 | -11.96 | 71.32 | -81.92 |
| 2,608.   | Tool Industry                   |         |         |         |         |         |         |         |         |         |

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Table 4.5. Added Value to Large Industrial Scale Companies in Cimahi City Based on Output

| ISIC  | ISIC Description                                      | Value of billion Rupiah | Growth (%) |
|-------|-------------------------------------------------------|-------------------------|------------|
|       |                                                       | 2011 | 2012 | 2013 | 2014 | 2015 | 2012 | 2013 | 2014 | 2015 |       |
| 10771 | Soy Sauce Industry                                    | -    | -    | -    | 17.60 | 8.71 | -7.99 | 6.43 | 48.89 |
|       | Food Industry From                                    | -    | -    | -    | 17.60 | 8.71 | -7.99 | 6.43 | 48.89 |

Source: Large and Medium Industry Statistics (Processed)

Table 4.5. focus on large scale business based on output. The positive growth of value added in 2015 was less than in terms of output and labor. In this section, we can determine which KBLIs have superior criteria based on positive value added growth.
| Code | Industry                       | 2018 Production | 2019 Production | 2020 Production | 2021 Production | 2022 Production | 2023 Production | 2024 Production | 2025 Production | 2026 Production |
|------|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 10793| Soybean and Beans, Other No.   | -               | -               | -               | -               | -               | -               | -               | -               | -               |
|      | Soya Sauce, Tempe, and Tofu    | -               | 146.80          | 87.60           | -               | -               | -               | -               | -               | -               |
| 13112| Spinning Industry Yarn         | 44.80           | 65.54           | 379.12          | 165.20          | 46.28           | 478.49          | 56.43           | -               | -               |
| 13113| Spinning Industry Sewing thread | -               | -               | 341.73          | -               | -               | -               | -               | -               | -               |
| 13121| Weaving Industry (No. Jute Sack | 766.37          | 798.20          | 2,880.35        | 3,181.16        | 4.15            | 260.86          | 10.44           | -75.60          | -               |
|      | Weaving and Other Sacks)       |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 13122| Ikat Woven Fabric Industry     | 17.20           | -               | -               | -               | -               | -               | -               | -               | -               |
| 13131| Yarn Enhancement Industry      | 233.60          | 255.44          | 362.25          | 121.40          | 41.81           | -66.49          | 25.16           | -               | -               |
| 13132| Fabric Enhancement Industry    | 394.45          | 1,018.49        | 790.68          | 1,626.24        | 1,074.52        | 22.37           | 105.68          | -33.93          | -               |
| 13133| Fabric Printing Industry       | 277.19          | 382.87          | 440.72          | 1,544.10        | 38.13           | 15.11           | -               | -97.22          | -               |
| 13911| Knitted Fabric Industry        | 276.02          | 79.47           | 186.89          | 675.19          | 1,776.13        | -              | 135.19          | 261.27          | 163.06          |
| 13912| Fabric Industry Needlework     | -               | -               | 30.34           | -               | -               | -              | -               | -               | -100.00         |
|      | Embroidery                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 13921| Finished Goods Industry        | 5,520.00        | 2,615.20        | 2,842.00        | 1,365.86        | 19.61           | -25.70          | 8.67            | -51.94          | -98.56          |
|      | Household                      |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 13992| Yang Industry Produce Cloth    | -               | -               | -               | -               | 246.37          | -              | -              | -               | -               |
|      | Industrial Use                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 14111| Apparel Industry (Convection)  | 243.20          | 186.33          | 206.42          | 296.44          | 2,077.65        | -23.39          | 10.78           | 43.61           | 600.86          |
|      | Of Textiles                    |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 14131| Equipment Industry             | -               | -               | 33.60           | 19.12           | -               | -               | -               | -               | -100.00         |
|      | Clothing From Textiles         |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 14301| Apparel Industry               | -               | -               | -               | -               | 33.45           | -              | -              | -               | -               |
|      | Knitted                       |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 14303| Sock Knitting Industry         | -               | -               | -               | -               | 275.36          | -              | -              | -               | -               |
| 15121| Leather Goods Industry         | 51.78           | 38.39           | 38.87           | 30.12           | 25.85           | 100.00          | 22.53           | -               | -               |
|      | and Artificial Leather         |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|      | For Personal use               |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 17019| Other Paper Industry           | 104.28          | 100.99          | 138.50          | 155.10          | 191.13          | -3.16           | 37.15           | 11.99           | 23.23           |
| 20116| Basic Chemical Industry        | 17.24           | 92.50           | 158.22          | 153.10          | 162.28          | 426.58          | 71.05           | -3.24           | 5.99            |
|      | Organic, Raw Material Colors   |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|      | and Pigments, Substances Color |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|      | and Pigments                   |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 20118| Basic Chemical Industry        | 11.12           | -               | 11.12           | 26.56           | -               | 100.00          | -               | -               | -               |
| Code   | Industry                        | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 |
|--------|---------------------------------|------|------|------|------|------|------|------|------|------|
| 20221  | Paint Industry                  | 43.15| 265.20| 281.60| 80.19| 124.75| 514.62| 6.18 | -71.52| 55.57 |
| 20301  | Fiber / Yarn Industry           | -    | -    | -    | -    | -    | 47.63 | 1    |        |      |
| 21011  | Pharmaceutical Material Industry| -    | -    | -    | -    | -    | -    | -    | -    |      |
| 21012  | Finished Goods Industry         | 41.30| -    | -    | -    | -    | 100.00| 1    |        |      |
| 22199  | Industrial Goods From other rubber| - | - | - | 25.92 | 1 | | | | |
| 22220  | Packaging Industry From Plastic | 20.67| 28.47| 302.30| 339.71| 4,361.31| 37.72| 961.99| 12.37| 1,183.84|
| 22291  | Plastic Goods Industry Sheet    | -    | -    | 78.09| -    | -    | -    | -    | 100.00|      |
| 23953  | Industrial Goods From Cement and Lime For Construction | - | 16.60 | - | 18.42 | - | - | 100.00 |-100.00|
| 24201  | Metal Manufacturing Industry Basic not Iron | 109.90 | 64.00 | 99.74 | 109.80 | - | - | 41.77 | 55.85 | 10.09 |-100.00|
| 24202  | Metal Extrusion Industry N. Iron | - | 13.07 | - | - | 64.12 | - | 100.00|      |
| 25130  | Tank Industry, Liquid Storage, and Metal Containers | - | 27.45 | - | - | - | - | - | 100.00 |
| 25934  | Other Equipment Industry From Metal | - | 43.31 | - | - | - | - | - | 100.00 |
| 25940  | Miscellaneous Industry Metal Containers | - | - | 17.58 | 22.72 | 33.43 | - | - | 29.23 | 47.16 |
| 25991  | Office Equipment Industry Of Metal, No. Including Furniture | - | - | - | - | - | - | - | - | - |
| 25992  | Kitchen Appliances Industry From Metal | - | - | - | 47.44 | 1 | | | | |
| 25999  | Metal Goods Industry Others Who Don't Classified In Another place | - | 28.32 | - | 34.50 | - | - | 100.00 |-100.00|
| 26310  | Transmission Equipment Industry Communication | - | - | 92.55 | 98.50 | 146.66 | - | 6.43 | 48.89 | 1 |
| 28199  | Machinery Industry Other General | - | - | - | - | - | 61.66 | 1 | | |
| 28263  | Textile Machinery Industry      | -    | -    | -    | -    | -    | -    | -    | -    |      |
| 29200  | Body Industry Wheeled Motorized Vehicles Four or More | - | - | - | 48.00 | 1 | | | | |
|        | Component Industry and          |      |      |      |      |      |      |      |      |      |
Labor Productivity

This section is the last variable to determine the leading sector, namely Labor productivity. Productivity calculation is calculated by dividing the output value by the number of workers in each KBLI and each year. The unit used is million rupiah, to describe how much output value each worker can produce in each KBLI and each year during the year. Table 4.6 and Table 4.7 are calculated using two different approaches, namely the Output and Manpower approach for table 4.6, while table 4.7 only refers to Output for determining the scale of the business.

Table 4.6. Labor Productivity in Large Industrial Scale Companies in Cimahi City
Based on Output and Labor (Million Rupiah)

| ISIC5  | ISIC Description                          | 2011  | 2012  | 2013  | 2014  | 2015  |
|--------|-------------------------------------------|-------|-------|-------|-------|-------|
| 10771  | Soy Sauce Industry                         | -     | -     | -     | 1,091.40 | 653.43 |
| 10793  | Food industry From Kedele and Nuts         | -     | -     | 214.09 | 171.52 | 426.65 | 328.38 |
|        | Others No. Ketchup, Tempe and Tofu         | -     | 214.09 | 171.52 | 426.65 | 328.38 |
| 13112  | Spinning Industry Yarn                     | 270.93 | 365.79 | 222.60 | 648.48 | 590.05 |
| 13113  | Spinning Industry Sewing thread            | -     | -     | -     | -     | 530.74 |
| 13121  | Weaving Industry (Not Weaving)             | 217.82 | 130.50 | 319.92 | 536.42 | 215.66 |
| Industry                          | Jute sack and Other Sacks | Woven Fabric Industry | Tie it up | Industry Improvement Yarn | Improvement Fabric | Printing Industry Fabric | Knitted Fabric Industry | Fabric Industry Needlework Embroidery | Finished Goods Industry Textiles For Home Purposes Stairs | Yang Industry Produce Cloth Industrial Use | Apparel Industry (Convection) From Textiles | Industry Equipment Clothing From Textiles | Apparel Industry Knitted | Knitting Industry Socks | Goods Industry From Skin and Skin |
|----------------------------------|---------------------------|-----------------------|-----------|----------------------------|-------------------|-------------------------|-------------------------|----------------------------------------|-------------------------------------------|------------------------------------------|---------------------------------------------|-------------------------------------------|--------------------------|-------------------------|------------------------|
| 13122                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 13131                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 13132                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 13133                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 13911                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 13912                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 13921                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 13992                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 14111                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 14131                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 14301                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 14303                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| 15121                            |                           |                       |           |                            |                   |                         |                         |                         |                                           |                                         |                                           |                                            |                           |                         |                        |
| Code   | Category                          | 2017  | 2018  | 2019  | 2020  |
|--------|-----------------------------------|-------|-------|-------|-------|
| 17019  | Made For Personal use             |       |       |       |       |
| Paper Industry Others | 747.26 | 456.54 | 2,151.90 | 2,077.22 | 4,325.36 |
| 20116  | Basic Chemical Industry Organic, Ingredients Standard Dyes and Pigments, Dyes and Pigments | 194.68 | 1,887.06 | 576.70 | 1,357.61 | 1,041.61 |
| 20118  | Basic Chemical Industry Organic Yang Produce Chemical material Special. | - | 2,168.47 | - | - | 2,126.23 |
| 20221  | Paint Industry                    | 169.11 | 1,454.90 | 1,396.97 | 485.61 | 377.34 |
| 20301  | Fiber Industry / Filament Yarn Artificial | - | - | - | - | 341.85 |
| 21011  | Material Industry Pharmacy        |       |       |       |       |
| 21012  | Finished Goods Industry Textiles, For Necessity Health | 257.93 | - | - | 216.08 | 41.91 |
| 22199  | Goods Industry - Rubber goods other | 10.27 | 28.80 | 200.34 | 223.16 | 415.67 |
| 22220  | Packaging Industry From Plastic | 215.41 | 389.96 | 919.81 | 1,415.18 | 216.58 |
| 2291   | Goods Industry Plastic Sheet      | - | - | 3,377.44 | - | - |
| 23953  | Goods Industry - goods of cement and Chalk For Construction | 231.31 | 529.79 | 234.92 | 500.55 | 221.78 |
| Manufacture Industry |       |       |       |       |
| 24201 | Base Metal isn’t it Iron | 5,738.57 | 2,177.14 | 1,827.14 | 3,544.29 | - |
|-------|--------------------------|----------|----------|----------|----------|---|
| 24204 | Extrusion Industry Non-Ferrous Metal | 85.71 | 571.29 | 244.50 | 408.89 | 791.56 |
| 25130 | Tank Industry, Substance Storage Liquid, and Containers From Metal | - | 1,432.89 | - | - | - |
| 25934 | Equipment Industry More From Metal | 13.28 | 713.90 | 154.73 | - | 187.21 |
| 25940 | Various Industries Kinds Of Containers Metal | 261.25 | 364.07 | 576.38 | 452.94 | 688.76 |
| 25991 | Equipment Industry Metal Offices, Not included Furniture | 159.39 | 95.67 | 181.17 | 95.66 | - |
| 25992 | Equipment Industry Metal Kitchen | 170.78 | 112.04 | 163.40 | 224.91 | 537.76 |
| 25999 | Goods Industry Other Metals Who does not Classified In Another place | 61.62 | 187.67 | 93.45 | 151.14 | 140.14 |
| 26310 | Tool Industry Transmission Communication | 42.76 | 82.75 | 1,421.74 | 1,732.17 | 3,623.15 |
| 28199 | Machinery Industry Other General | - | - | - | - | 754.51 |
| 28263 | Machinery Industry Textiles | 108.03 | 87.76 | 96.28 | 43.77 | 96.51 |
| 29200 | Body Industry Motor vehicle | - | - | - | - | 1,886.27 |

| Four wheels or More |  |
| Component Industry |  |
| ISIC5 | ISIC Description                        | 2011  | 2012  | 2013  | 2014  | 2015  |
|-------|----------------------------------------|-------|-------|-------|-------|-------|
| 10771 | Soy Sauce Industry                      | -     | -     | -     | 1,091.40 | 653.43 |
| 10793 | Food industry From Kedele and Nuts Others No. Ketchup, Tempe and Tofu | -     | -     | -     | 426.65 | 328.38 |
| 13112 | Spinning Industry Yarn                  | -     | 365.79 | 222.60 | 648.48 | 590.05 |
| 13113 | Spinning Industry Sewing thread         | -     | -     | -     | -     | 530.74 |
| 13121 | Industry Weaving (No. Sack Weaving Burlap and Sack Other) | 219.42 | 130.61 | 324.82 | 546.13 | 216.22 |
|       | Woven Fabric Industry                   |       |       |       |       |       |

Source: Large and Medium Industry Statistics (Processed)

Table 4.7. Labor Productivity in Large Industrial Scale Companies in Cimahi City Based on Turnover (Million Rupiah)
| 13122 | Tie it up |  | 69.22 |  |  |  |  |
|-------|----------|----|-------|----|----|-------|----|
| 13131 | Industry Improvement | 303.36 | 275.66 | 576.89 | 127.38 | 2,051.9 |
|       | Yarn     | 303.36 | 275.66 | 576.89 | 127.38 | 2,051.9 |
| 13132 | Industry Improvement | 267.06 | 436.59 | 426.98 | 731.75 | 465.58 |
|       | Fabric   | 267.06 | 436.59 | 426.98 | 731.75 | 465.58 |
| 13133 | Industry Improvement | 347.36 | 636.54 | 1,633.84 | 1,188.92 | 342.15 |
|       | Fabric Printing | 347.36 | 636.54 | 1,633.84 | 1,188.92 | 342.15 |
| 13911 | Fabric Industry Knitted | 258.52 | 149.24 | 225.43 | 188.90 | 1,320.6 |
| 13912 | Fabric Industry Needlework / Embroidery | - | - | - | 87.25 | - |
| 13921 | Goods Industry So Textiles For Home Purposes Stairs | 643.18 | 183.01 | 198.02 | 120.57 | 126.37 |
| 13992 | Yang Industry Produce Cloth Industrial Use | - | - | - | 217.93 |
| 14111 | Apparel Industry So (Convection) From textiles | 161.01 | 98.86 | 166.83 | 105.03 | 363.01 |
| 14131 | Industry Equipment Clothes From Textiles | - | - | 268.53 | 203.23 | - |
| 14301 | Apparel Industry So Knitted | - | - | - | - | 114.79 |
| 14303 | Knitting Industry Socks | - | - | - | - | 76.91 |
| 15121 | Goods Industry From Leather and Leather Made For Personal use | 188.79 | 216.46 | - | 214.76 | 253.61 |
|       | Paper Industry | 747.26 | 456.54 | 2,151.90 | 2,077.22 | 4,325.3 |

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| Code  | Industry                                      | 17019                  | 20116                  | 20118                  | 20221                  | 20301                  | 21011                  | 21012                  |
|-------|-----------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|       | Others                                        |                        | Chemical Industry      |                        |                        |                        |                        |                        |
|       |                                               |                        | Organic Basis, Raw     |                        |                        |                        |                        |                        |
|       |                                               |                        | Material Color and     |                        |                        |                        |                        |                        |
|       |                                               |                        | Pigments, Dyes and     |                        |                        |                        |                        |                        |
|       |                                               |                        | Pigments               |                        | 1,041.6                |                        |                        |                        |
|       |                                               |                        |                        |                        |                        |                        |                        |                        |
|       | Chemical Industry                             |                        | Chemical Industry      |                        |                        |                        |                        |                        |
|       |                                               |                        | Organic Basis That     |                        |                        |                        |                        |                        |
|       |                                               |                        | Produce Chemical       |                        |                        |                        |                        |                        |
|       |                                               |                        | material Special       |                        | 2,126.2                |                        |                        |                        |
|       |                                               |                        |                        |                        |                        |                        |                        |                        |
|       | Paint Industry                                |                        |                        |                        | 235.80                 | 1,454.90               | 1,396.97               | 485.61                 |
|       | Fiber Industry / Filament Yarn                |                        |                        |                        |                        |                        |                        |                        |
|       |                                               |                        | Artificial             |                        |                        |                        |                        | 341.85                 |
|       |                                               |                        |                        |                        |                        |                        |                        |                        |
|       | Material Industry                             |                        |                        |                        |                        |                        |                        |                        |
|       |                                               |                        | Pharmacy               |                        |                        |                        |                        |                        |
|       |                                               |                        |                        |                        |                        |                        |                        |                        |
|       | Goods Industry                                |                        |                        |                        |                        |                        |                        |                        |
|       |                                               |                        | So Textiles, For       |                        | 485.34                 | -                      | -                      | -                      |
|       |                                               |                        |                        |                        |                        |                        |                        |                        |
|       | Necessity Health                              |                        |                        |                        |                        |                        |                        |                        |
|       |                                               |                        | Goods Industry - Rubber|                        | -                      | -                      | -                      | 415.67                 |
|       |                                               |                        | goods other            |                        | -                      | -                      | -                      | -                      |
|       |                                               |                        | Packaging Industry     |                        | 381.04                 | 428.61                 | 2,463.16               | 2,152.84               |
|       |                                               |                        | From Plastic           |                        |                        |                        |                        | 216.82                 |
|       |                                               |                        | Goods Industry         |                        | -                      | -                      | 3,377.44               | -                      |
|       |                                               |                        | Plastic Sheet          |                        | -                      | -                      | -                      | -                      |
|       |                                               |                        |                        |                        |                        |                        |                        |                        |
|       |                                               |                        | Goods Industry         |                        | -                      | 529.79                 | -                      | 500.55                 |
|       |                                               |                        | - goods of cement      |                        |                        |                        |                        |                        |
|       |                                               |                        | and Chalk For          |                        |                        |                        |                        |                        |
|       |                                               |                        | Construction           |                        |                        |                        |                        |                        |
|       |                                               |                        | Manufacture Industry   |                        | 5,738.57               | 2,177.14               | 1,827.14               | 3,544.29               |
|       |                                               |                        | Base Metal             |                        |                        |                        |                        |                        |
|       |                                               |                        | not Iron               |                        |                        |                        |                        |                        |
|       |                                               |                        | Extrusion Industry     |                        | -                      | 571.29                 | -                      | 791.56                 |

[http://internationaljournal.net/index.php/endless](http://internationaljournal.net/index.php/endless)
| Code  | Description                                                                 | 25130  | 25934  | 25940  | 25991  | 25992  | 25999  | 26310  | 28199  | 28263  | 29200  | 30912  |
|-------|-----------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       | Tank Industry, Substance Storage Liquid, and Containers From Metal           |        | 1,432.89 |        |        |        |        |        |        |        |        |        |
|       | Equipment Industry Other From Metal                                          |        | 713.90 |        |        |        |        |        |        |        |        |        |
|       | Various Industries kinds of containers From Metal                            |        |        | 576.38 | 452.94 | 688.76 |        |        |        |        |        |        |
|       | Equipment Industry Metal Offices, Not included Furniture                     |        |        |        |        |        |        |        |        |        |        |        |
|       | Goods Industry Other Metals Who does not Classified In Another place         |        |        |        | 187.67 | 151.14 |        |        |        |        |        |        |
|       | Tool Industry Transmission Communication                                       |        |        | 1,421.74 | 1,732.17 | 3,623.1 |        |        |        |        |        |        |
|       | Machinery Industry- General machines                                          |        |        |        |        |        |        |        |        |        |        | 754.51 |
|       | Others                                                                        |        |        |        |        |        |        |        |        |        |        |        |
|       | Machinery Industry Textiles                                                   |        |        |        |        |        |        |        |        |        |        |        |
|       | Body Industry Vehicle Motorized Wheels Four or More                           |        |        |        |        |        |        |        |        |        |        | 1,886.2 |
|       | Component Industry and Equipment Vehicle Motorized Wheels Two and Three       |        |        |        |        |        |        |        |        |        |        | 242.03 |
Leading Sector

Determination of the leading sectors refers to positive value added growth and has labor productivity above the median value of each year. In addition, KBLI must appear at least 3 years and must exist in 2015. Based on this criterion, it is necessary to map the KBLI which is a leading sector, at least according to the criteria having positive added value and having labor productivity above the median value of each year. Table 4.8 and Table 4.10 show the mapping based on positive Value Added criteria and having labor productivity above the median value.

Table 4.8. Map of Leading Sectors of Large Industry (Output and Power Work) in Cimahi City

| No. | 2012  | 2013   | 2014   | 2015   |
|-----|-------|--------|--------|--------|
| 1   |       |        |        | 10793  |
| 2   | 13112 |        | 13112  |        |
| 3   |       | 13121  | 13121  |        |
| 4   | 13131 | 13131  |        | 13131  |
| 5   | 13132 |        |        |        |
| 6   |       |        |        | 13132  |
| 7   | 13133 | 13133  | 13133  |        |
| 8   |       | 13911  | 13911  |        |
| 9   |       | 14131  |        |        |
| 10  |       | 17019  | 17019  | 17019  |
| 11  | 20116 | 20116  | 20116  |        |
| 12  | 20221 | 20221  | 20221  |        |
| 13  |       |        |        | 22199  |
| 14  | 22220 | 22220  | 22220  |        |
| 15  | 23953 | 23953  |        |        |
| 16  | 24201 | 24201  | 24201  |        |
| 17  | 24204 | 24204  | 24204  |        |
Table 4.8 shows that there are 10 sectors that fall into the superior category. 2013 and 2014 have more superior categories, or there are 13 sectors that fall into the superior category. If we enter the criteria that must be entered at least 3 years in the existing data series and must appear in 2015, then the leading sectors in Cimahi City can be presented in Table 4.9.

| No. | KBLI  | Information                                                                 |
|-----|-------|----------------------------------------------------------------------------|
| 1   | 13131 | Yarn Refinement Industry                                                   |
| 2   | 17019 | Other Paper Industry                                                       |
| 3   | 20116 | Organic Basic Chemical Industry, Dyestuff and Pigment Raw Materials, Dyes and Pigments |
| 4   | 20221 | Paint Industry                                                             |
| 5   | 24204 | Non-ferrous Metal Extrusion Industry                                       |
| 6   | 25940 | Manufacture of various kinds of metal containers                           |
| 7   | 26310 | Communication Transmission Equipment Industry                             |

The calculation of the leading sectors for large enterprises using the output method only can be mapped in Table 4.10. The number of KBLIs that fall under the criteria for superior sectors is reduced in this way. This is because some companies are included in the labor scale but not on the output scale. 2014 was the year with the most emerging KBLI / sectors or as many as 8 sectors. The smallest number of leading sectors was in 2012.

| No. | 2012   | 2013   | 2014   | 2015   |
|-----|--------|--------|--------|--------|
| 1   | 13112  |        |        |        |
| 2   | 13121  |        |        |        |
| 3   | 13131  | 13131  | 13131  |        |
| 4   | 13132  | 13132  |        |        |
| 5   | 13133  | 13133  | 13133  |        |
| 6   |        |        |        | 13911  |
| 7   |        | 17019  | 17019  | 17019  |
| 8   | 20116  | 20116  |        | 20116  |
| 9   | 20221  |        |        | 20221  |
Determination of the leading sectors by entering the criteria for appearing at least 3 years in the data series and appearing in 2015 can be seen in Table 4.11. There are only 2 sectors that appear in this alternative method, namely KBLI 17019 namely Other Paper Industry and KBLI 20116 namely Organic Basic Chemical Industry, Dyestuff and Pigment Raw Materials, Dyes and Pigments.

| No. | KBLI  | Information                                                  |
|-----|-------|--------------------------------------------------------------|
| 1   | 17019 | Other Paper Industry                                         |
| 2   | 20116 | Basic Organic Chemical Industry, Dyestuff and Raw Materials |
|     |       | Dyes and Pigments                                           |

By reason of the most relevant last year's data in determining the leading sectors in Cimahi City, the 2015 data is the most relevant data, so there are 6 leading sectors that can be used for the purposes of determining UMSK, namely:

1. 13131 Yarn Refinement Industry
2. 17019 Other Paper Industry
3. 13911 Knitted Fabric Industry
4. 20116 Basic Organic Chemistry Industry, Dyestuffs and Pigments, Dyes and Pigments
5. 25940 Industrial Buckets, Cans, Drums, and Similar Containers of Metal
6. 26310 Telephone and Facsimile Equipment Industry

E. CONCLUSION

The leading sectors in Cimahi City in 2019 based on the 5 digit KBLI criteria, Large Business Scale, Added Value and Labor Productivity growth in the 2015 Large Industry data are as follows:

1. 13131 Yarn Refinement Industry
2. 17019 Other Paper Industry
3. 13911 Knitted Fabric Industry
4. 20116 Basic Organic Chemistry Industry, Dyestuffs and Pigments, Dyes and Pigments
5. 25940 industrial Buckets, Cans, Drums, and Similar Containers of Metal
6. 26310 Telephone and Facsimile Equipment Industry
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