

Data Analysis of Plastic Packaging Production Results at PT. Kailo Sumber Kasih

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Abstract

This research aims to find out how PT. Kailo Sumber Kasih achieved production results for plastic packaging products according to targets at PT. Kailo Sumber Kasih. This research uses descriptive research with a qualitative approach. The object of the research is the production of plastic packaging products at PT. Kailo Sumber Kasih. The data used in this research is secondary data and primary data. Data collection techniques use interview methods, literature study and documentation. The results of this research are that from January 2022 to December 2022, production of plastic packaging products continues to increase, which ultimately results in excess inventory. In the table the average demand is smaller than the amount of production, this is what causes the storage factor to increase. Number of product production at PT. Kailo Sumber Kasih has experienced quite significant increases and decreases, this shows that the productivity of the company's plastic packaging products has experienced increases and decreases, but overall, it can be said to be good.

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1. INTRODUCTION

In the business world, the economy has a considerable impact, especially the industrial world in Indonesia. Rapid development has resulted in increasingly fierce competition. The reason is to increase consumer demand that is more varied today. To meet high consumer demand, high creativity is needed. Therefore, the industrial and trade sectors must be more selective in their productivity and marketing. In Indonesia, not all industries are growing rapidly. One that is growing rapidly is the manufacturing industry. The number of manufacturing companies that stand, seeing from the value of profits that will be obtained by the manufacturing industry will be more promising. Companies must improve their ability to produce quality, high-value products, and can dominate market share. The main goal of an enterprise is to make a profit. It all depends on how the company manages production results and whether or not it succeeds in increasing sales. The main activity in the company to be able to survive in business competition is a high level of sales.

To maintain the survival of the company, often companies are faced with the difficult problem of seizing market share. This is due to the increasing complexity of consumer behavior or attitudes towards products, especially their ever-changing tastes. In addition, because of competition among fellow providers of goods and services. This is a challenge for companies, especially production managers, to be able to overcome these problems.

A producer will be useless if there are no consumers who buy the products that have been produced, and vice versa if there are no goods that can be used indigo. Every company lives from loyal consumers or often referred to as customers, that's why customers are the only reason for the existence of a company. The goods to be produced by a company will be assessed by consumers, consumer assessments include the durability or strength of goods,

the form or model of goods and the function of goods produced if consumers buy these goods.

Packaging is a material that wraps and protects the product. Its main function is to protect the product so that the quality remains good and makes it easier for consumers when carrying the product. Packaging can increase shelf life and protect products from sharing damage. You can use designs, brand colors, *logos*, mascots, *taglines*, and other identities on packaging. By showing brand identity, consumers are also easier to recognize the brand and distinguish it from other property.

In general, a company carries out production activities with the aim of getting maximum profits, hoping that the production costs incurred can be reduced to a minimum. PT. Kailo Sumber Kasih is located Jl. Jababeka VII Blok K 1-J, Jababeka Industrial Estate I, North Cikrang, Bekasi West Java, Indonesia is a company engaged in the production and supplier of packaging products for local and export needs. *PT. Kailo Sumber Kasih* (Maisyaroh & Aspiranti, 2019) Have not paid attention to the importance of planning the amount of production Product Packaging for each time of production.

Production factors in industry need the calculation of the most optimal production capacity so as not to lack or excess inventory of products produced. To avoid shortages or overproduction, PT. Kailo Sumber Kasih must be able to plan production properly, producing optimal production requires a good and precise production planning. Production planning often experiences constraints when consumer demand is unstable.

2. RESEARCH METHODS

Types of Research

The type of research used is quantitative descriptive research. Where the data used in this study is in the form of a series of numbers obtained by reports for the last 5 years in the period 2018 – 2022 at *PT. Kailo Sumber Kasih*.

Population and Sample

The research population taken by the study is the entire object of research in the form of recording production data and sales data of packaging products at *PT. Kailo Sumber Kasih*. In this study, the author examined from data samples of plastic *packaging production*.

3. RESULTS AND DISCUSSION

Production Process of Plastic Packaging Products at *PT. Kailo Sumber Kasih*

Every company that produces a product and markets it can be said to be successful if it is able to sell what it produces or markets. The production process is an important form of activity in the implementation of production in a company, because the production process is a special method or technique carried out by the company to make the product so that it is in accordance with the company's criteria.

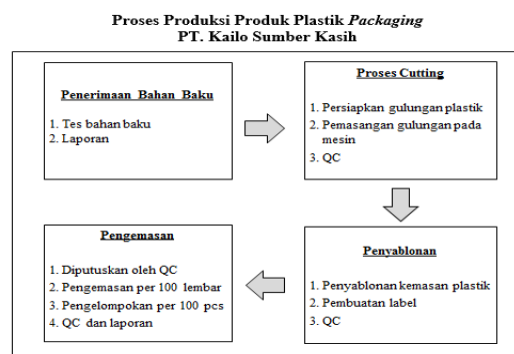


Figure 1. Plastic Packaging Production Process.

From figure 1 of the production process, it can be explained that *the flow chart* of the plastic production process is as follows:

1. Inside PT. Kailo Sumber Kasih materials for making plastic do not start from raw materials, but semi-finished materials in the form of plastic rolls (plastic rolls).
2. After the raw materials are available, check whether it is in accordance with the needs or not, if there is no problem then the plastic roll is prepared on the machine.
3. The next step if the raw materials have been prepared on the machine is to do *cutting* or cutting.
4. In the plastic *cutting* process in the form of roll rolls are then cut to the specified size, which is 1 kilo or 14 x 27 cm.
5. After the *cutting* process or cutting plastic in accordance with the specified size, the next process is casting on the *plastic cover sheet*.
6. If it has been checked and there are no problems with the plastic that has been processed, the next process of plastic is *packing* 100 pieces per piece.
7. The next process if it has been *packed* or plastic sheets have been entered per paces, it will be grouped the plastic to be marketed with ball units (1 plastic ball contains 100 paces).

After that, a check is carried out and no errors or damaged products are found, then the goods are ready to be marketed. To achieve this success, the sales department needs to coordinate with production officials who are responsible for the production to be sold. Likewise with PT. Kailo Sumber Kasih which produces plastic *packaging products* strives to produce as much as possible the company's products in order to meet market demand. The following will be presented data on the production of plastic *packaging products* of PT. Kailo Sumber Kasih in 2022 for *Blown Film, Extruder Air cap, Extruder Foam and Eiro products*.

Production Results of Plastic Packaging Blown Film Products at PT. Kailo Sumber Kasih

Blown Film is a process of making plastic sheets by combining the blowing and extrusion processes. The advantages of this blowing process include speed, good quality and high plastic *blow film* output . In the *film blowing* process, the plastic material is first melted in the *elasticating* unit, then pushed (*extrude*) to the *die*. With this *die* intermediary comes a semi-product, namely plastic such as a *tube (tube)* which is pulled out through a mechanism while continuously blowing (*blowing*) and forwarded to other winding equipment then rolled into a plastic roll (*roll*).

Grafik Trend Dari Perkembangan Jumlah Produksi Produk Plastik Packaging Blown Film PT. Kailo Sumber Kasih Tahun 2022

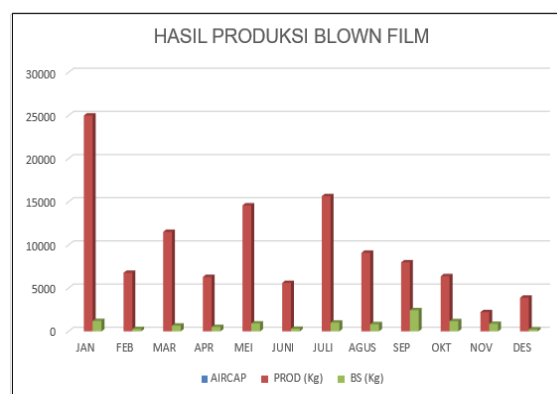


Figure 2. *Development Trend* of Blown Film Packaging Production.

Based on figure 2, it is known that the development of the number of *Blown Film packaging production of PT. Kailo Sumber Kasih* has increased and decreased significantly, this shows that the company's productivity has increased and decreased as seen from the development of the number of production of *Blown Film packaging products*.

Production Results of Plastic Extruder Air cap Packaging Products at PT. Kailo Sumber Kasih

Extruder Air cap is an extrusion process that is widely used in the manufacture of polyethylene and polypropylene *air cap*. *The extruder air cap* is upward through a tube, which is cooled by blown air, tabulated the air cap is rolled in a roll desilt and separated. *The process of extrusion air cap* through a *flat die*, to a *chill roll* which then rapidly cools. This process is called *extrusion casting*, and *the resulting air cap is called cast air cap*. The disadvantages of air cap through this process are only pulled in one direction, and *machine ability* is not good, especially in *transverse direction*.

Grafik Trend Dari Perkembangan Jumlah Produksi Produk Plastik Packaging Extruder Aircap PT. Kailo Sumber Kasih Tahun 2022

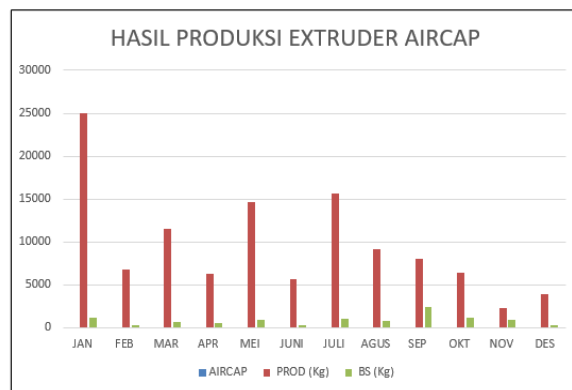


Figure 3. Development Trend of Air cap Extruder Packaging Production.

Based on figure 3, it can be seen that the development of the number of production of Extruder Air cap plastic packaging products at PT. Kailo Sumber Kasih has experienced a significant increase and decrease, this shows that the company's productivity has increased and decreased as seen from the results of the development of the number of production of Extruder Air cap plastic packaging products .

Production Results of Plastic Extruder Foam Packaging Products at PT. Kailo Sumber Kasih

Extruder Foam is an extrusion process that is widely used in the manufacture of polyethylene and polypropylene *foam*. *Extruder Foam* upward through a tube, cooled by blown air, tabulated air cap rolled in a roll of desilt and separated. *The process of extrusion air cap* through a *flat die*, to a *chill roll* which then rapidly cools. This process is called *extrusion casting*, and *the resulting air cap is called cast air cap*. Disadvantages *Foam* through this process is only pulled in one direction, and *machine ability* is not good, especially in *the transverse direction*.

Grafik Trend Dari Perkembangan Jumlah Produksi Produk Plastik Packaging Extruder Foam PT. Kailo Sumber Kasih Tahun 2022

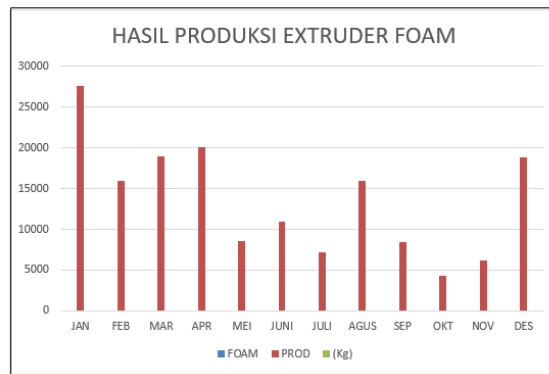


Figure 4. Development Trend of Extruder Foam Packaging Production.

Based on figure 4, it can be seen that the development of the number of production of Extruder Foam packaging plastic products at PT. Kailo Sumber Kasih has experienced a significant increase and decrease, this shows that the company's productivity has increased and decreased as seen from the results of the development of the number of plastic packaging products Extruder Foam.

The Production of Plastic Packaging Roll Products from Eiro at PT. Kailo Sumber Kasih

Plastic roll stock from Eiro is packaging that is printed in sheet form and then rolled into rolls. At first glance, roll stock packaging looks like unfinished packaging. However, the roll form can greatly facilitate and streamline product packaging time. Now many manufacturers or entrepreneurs use this type of packaging because it facilitates the production process. In terms of cost, roll stock also tends to be cheaper. For large-scale production, this form of packaging will greatly benefit the manufacturer.

The form of roll stock is actually often found when in supermarkets, which is in the form of clear plastic which is a container for wrapping vegetables or fruit. However, the plastic roll that we will discuss is certainly not in such a plain color. What we should underline is the existing roll form. Different from standing pouch packaging, roll stock plastic packaging requires a filling machine to fill the product into packaging. Therefore, usually those who use roll stock packaging are businesses or businesses that have filling machines.

Grafik Trend Dari Perkembangan Jumlah Produksi Produk Plastik Packaging Roll Dari Eiro PT. Kailo Sumber Kasih Tahun 2022

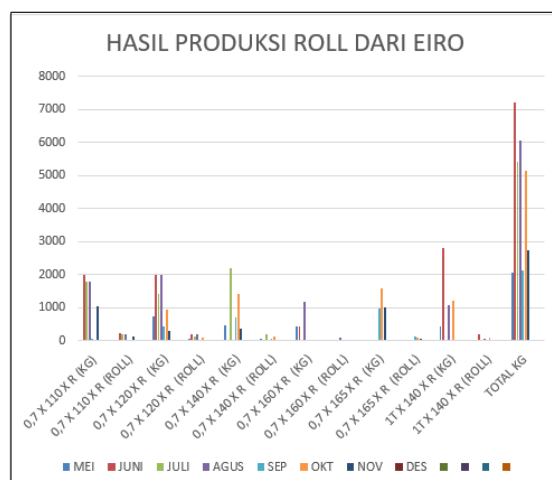


Figure 5. *Development Trend of Packaging Roll Production from Eiro*

Based on figure 5, it can be seen that the development of the number of production of plastic packaging products *Roll From Eiro* at PT. Kailo Sumber Kasih has increased and decreased significantly, this shows that the company's productivity has increased and decreased as seen from the results of the development of the number of production of plastic packaging products *Roll From Eiro*.

4. CONCLUSION

After analyzing the data and obtaining the results of the research and described in this discussion, namely that p from January 2022 to December 2022, the production of plastic packaging *products* continues to experience significant increases and decreases adjusted to public demand. In the table, the average demand is smaller than the amount of production, which makes the storage factor increase. In addition, there is a lot of product production at PT. Kailo Sumber Kasih shows that the productivity of the company's overall *plastic packaging* products can be said to be good.

5. SUGGESTION

Based on the conclusions and limitations in this study, several suggestions can be put forward, namely the plastic packaging *production process* at PT. Kailo Sumber Kasih can be further maximized by adding the right facilities related to the company's production.

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