

## **Analizing Factors That Influence The Implementation Of National Agency Of Drug And Food Control (Nadfc) Regulation Of How To Produce Food On Food Home Industry In The Batu City**

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### **ABSTRACT**

Food production methods are regulated in NADFC regulations, thus producing products that are safe for consumption. This regulation protects producers and consumers because the products they produce are safe and suitable for consumption. The research objective is to determine the factors that influence the implementation of NADFC regulations on how to produce food on food home industry in the Batu City. The research design is quantitative with cross sectional approach. The focus of the study is analyzing the factors that influence the NADFC implementation of regulations on the way of food production in the food home industry in the Batu City. The number of samples of 67 respondents was taken by simple random sampling technique. The results of the ordinal regression test analysis showed a p-value of 0,000 <0.005, then H1 was accepted, meaning that together with the knowledge variables of business owners, facilities and infrastructure, the amount of business capital and the number of employees affected the implementation of the BPOM Regulation on the way of food production in the food home industry. It is expected that the government will be more active in providing information about the knowledge of the regulations of the Food and Drug Supervisory Agency to food companies so that it can be implemented better.

**Keywords :** Ability, Facilities, Capital, Employes, Implementation.

### **INTRODUCTION**

Over time the current disease trend in society is non-communicable diseases. Where the main cause is behavior and lifestyle in society. One example is the change in consumption patterns, including consumption of hawker products that are currently rife in society.

Batu City as a city with a high level of tourist density has become a city of commerce by relying on food and beverage products. One of the very dominant businesses at this time is the Food Industry Industry. Food and beverage products are the main attraction for tourists who come to visit. This product is not only easy to carry, but is also durable and affordable.

Food and beverage products in Batu City that can be entered by shops and shopping centers only have PIRT Distribution Permit numbers. Thus the small industry competes to register their products so that they have a PIRT distribution permit. Almost all food home industries in Batu City already have a PIRT number. PIRT licensing in this city is relatively easy because it doesn't cost a penny. But it must meet the requirements that have been set by the local Health Office. Food Household licensing requirements refer to the Food and Drug Supervisory Agency Regulation (BPOM) No. HK.03.1.23.04.12.2206 concerning Good Means of Food Production and BPOM Regulation No. HK.03.1.23.04.12.2207 concerning How to Inspect Household Industrial Food Production Facilities. And if it meets the new requirements, the PIRT license number will be issued.

Most industries in Batu City already have a PIRT number. PIRT growth in Batu City is like a fungus that grows in the early rainy season. Products that are sold are almost the same in every shop by the by. So they are competing to sell their wares in the way they think

is right. Countless companies went out of business and died. Likewise the flower is deflated, or the production is only at certain times.

The problem in IRTP is like an iceberg in the ocean. Just look at the end, it contains a very big problem. Food is the main thing that causes disease. All source diseases are food that enters our bodies. The use of prohibited ingredients and excess food additives has certainly been carried out by research that these ingredients are safe and suitable for consumption. And if exceeding the boundaries will certainly be detrimental to health and lead to various unwanted diseases. The emergence of a variety of foods is one of the triggers for the emergence of various new diseases.

As for matters relating to factors related to the Implementation of BPOM Regulations on the way of Food Production in Food Home Industry observed by researchers is from the standpoint of producers. Where the producer is the holder of power and policy makers in the company. The factors are:

1. Knowledge of business owners, where if the business owner knows about how to make good meaning, it will be applied to the company and the food products produced will be safe and suitable for consumption. Control employee behavior, employee hygiene sanitation.
2. Facilities and Infrastructure, Facilities and infrastructure greatly affect the results of production.
3. The amount of venture capital, venture capital affects the company.
4. Number of employees, influencing the amount of production.

## METHODS

The research design is quantitative with cross sectional approach. The focus of the study is analyzing the factors that influence the implementation of the BPOM Regulation on the way of food production in the food home industry in Batu City. The number of samples of 67 respondents was taken by simple random sampling technique.

## RESULT

### Subject Characteristics

Table 1. Characteristics of respondents in this study include age, sex, education, knowledge, infrastructure, business capital, number of employees and implementation.

No	Characteristics	$\Sigma N$	$\Sigma \%$
1	Age (year)		
	<20	6	9
	20-29	15	23
	30-39	24	36
	40-49	12	18
	50-59	8	11
	>59	2	3
2	Gender		
	Man	44	66
	Female	23	34
3	Education		
	Elementary school	2	3
	Middle School	2	3
	High school	57	63
	University	8	11
4	Knowledge		

	Less	7	11
	Enough	11	16
	Good	49	73
5	Infrastructure		
	Less	12	18
	Enough	25	37
	Good	30	45
6	Business capital		
	Less	12	18
	Enough	19	28
	Good	36	54
7	Numbers of employes		
	Less	6	9
	Enough	20	30
	Good	41	61
8	Implementation		
	Less	12	18
	Enough	25	37
	Good	30	45
	Total	67	100

## DISCUSSION

### A. Attitude of Influence of Business Owner Knowledge on Implementation of Regulations for Drug and Food Control Agency

Based on the results of the study, it was found that the variable of business owner's knowledge had a positive influence on the implementation of the Regulations for the Food and Drug Supervisory Agency on the way Food Production in the Household Food Industry in Batu City. A good perception of business owner's knowledge will greatly affect the implementation of the regulations of the Food and Drug Supervisory Agency. Thus the better the business owner's knowledge the better the implementation of the regulations of the Food and Drug Supervisory Agency for Food Production Methods in Batu City.

Acquiring the value of the statement of knowledge of business owners with age values obtained less that is at the age of 40 years and over, which amounted to 1.5% this is because the more age of the respondents the respondent has not followed the development of science anymore. Likewise, the implementation is less, namely at the age of 40 years and over, namely by 1.5%.

Knowledge is the result of human sensing, or the result of a person's knowledge of objects through their senses (eyes, nose, ears and so on). By itself, at the time of sensing to produce knowledge is strongly influenced by the intensity of attention and perception of the object. Most of one's knowledge is obtained through the sense of hearing, namely the ear and the sense of sight, namely the eye (Notoadmodjo, 2012). According to Notoadmodjo (2012), knowledge is the result of knowing and this happens after people perceive a particular object. In the large dictionary Discuss Indonesian (2011), knowledge is something related to the learning process. This learning process is influenced by various internal factors, such as motivation and external factors in the form of available information facilities, as well as socio-cultural conditions. Knowledge is information or information that is known or realized by someone (Agus, 2013), this is influenced because Notoadmodjo (2007) states that a person's level of knowledge is influenced by education, experience, sources of information, cultural and socio-economic environment.

The knowledge of the business owner in question is the knowledge of the business owner on how to produce food in the food home industry. Every food home industry producer has been provided with knowledge of production knowledge. This knowledge includes legislation, sanitation hygiene, food safety, labeling, food additives. Where this knowledge is a requirement that must be possessed by the capital owner to get the No PIRT (Food Industry Household Company). After the business owner is exposed to knowledge of how to produce food, a food safety certificate is issued by the Food and Drug Supervisory Agency, in this case represented by the City Health Office as a delegation of duties.

### **B. Effect of Facilities and Infrastructure on the Implementation of Regulations for the Drug and Food Control Agency**

Based on the results of the study it was found that the variable facilities and infrastructure had a positive effect on the implementation of the Regulations for the Food and Drug Supervisory Agency on the way Food Production in the Household Food Industry in Batu City. The perception of good facilities and infrastructure will greatly affect the implementation of regulations of the Food and Drug Supervisory Agency. Thus the better the facilities and infrastructure of the company, the better the implementation of the regulations of the Food and Drug Supervisory Agency for Food Production Methods in Batu City.

Facilities and infrastructure include infrastructure for employee sanitation hygiene, facilities for the sanitation of company equipment hygiene and maintenance of existing facilities and infrastructure. Facilities and infrastructure of sanitation hygiene are very influential on the products produced. Mainly affects the durability of the products produced. Poor sanitation can cause pollution that will cause problems both in the surrounding environment and in the products produced.

With the existence of good infrastructure facilities that will meet the sanitation hygiene in the company, the implementation of the regulations of the Food and Drug Supervisory Agency on How to Food Production is getting better too. So as to achieve the expected goal of safe food products for consumption.

### **C. Large Effect of Business Capital on the Implementation of the National Supervisory Agency for Drug and Drug Food Control Regulations**

Based on the results of the study it was found that the large variable of venture capital had a positive effect on the implementation of the Regulations for the Food and Drug Supervisory Agency on the way Food Production in the Household Food Industry in Batu City. A large perception of good business capital will greatly affect the implementation of regulations of the Food and Drug Supervisory Agency. Thus the greater the business capital of a company, the better the implementation of the regulations of the Food and Drug Supervisory Agency for Food Production Methods in Batu City.

Obtaining a large statement of business capital value of less than 12 respondents obtained a value of 17.9%, quite a total of 25 respondents obtained a value of 37.3%, and good as many as 30 respondents and obtained a value of 44.8%. Thus the business capital of a respondent's value either greatly influences the implementation of the regulations of the Food and Drug Supervisory Agency for the way food is produced.

Capital is the product of production used for further production. In its development then capital is emphasized in value, purchasing power or the power to use or use that is contained in capital goods "(Bambang Riyanto, 1998). There are many different formulations regarding capital, capital usually considered to consist of cash, credit, the right to make and sell something (patents), machines and buildings. However, often the term is used to describe total ownership rights which consist of the amount planted, surpluses and profits which are not shared. (Mukijat, 2000). We can conclude ourselves about the notion of capital, which is good assets in the form of goods or funds that are used as the principal of running a business or business. That means that if we can manage capital funds properly, then we will also be

able to build a better business, because in reality capital is the foundation in running a business.

#### **D. Influence of the Number of Employees on the Implementation of Regulations for the Drug and Food Control Agency**

Based on the results of the study obtained information that the variable number of employees has a positive effect on the implementation of the Regulations for the Food and Drug Supervisory Agency on how to produce food in the Household Food Industry in Batu City. The perception of a good number of employees will greatly affect the implementation of the regulations of the Drug and Food Control Agency. Thus the more the number of employees of a company the better the implementation of regulations of the Food and Drug Supervisory Agency for Food Production Methods in Batu City.

Obtaining the value of the statement of the number of employees ie less as many as 12 respondents obtained a value of 17.9%, enough as many as 25 respondents obtained a value of 37.3%, and good as many as 30 respondents and obtained a value of 44.8%. Thus the number of employees of a company rated good respondents greatly affect the implementation of regulations of the Food and Drug Supervisory Agency for Food Production Methods.

The number of employees in this study includes employee behavior such as eating and drinking that can contaminate food products, completeness of work clothes such as the use of aprons and headgear when doing production, as well as the division of tasks within the company, namely the admin section of the production section of the sanitation production site.

This industry has very limited capital, labor comes from family members and the owner or manager of the industry is usually the head of the household itself or a family member. Home Industry uses less than 4 workers (Safitri, 2016).

The greater the number of employees, the greater the opportunity to implement Food and Drug Supervisory Agency regulations on Food Production Methods. So that food products that are safe for consumption are produced.

#### **E. Dominant Factors Influencing the Implementation of Regulations for the Drug and Food Control Agency on How to Food Production in the Household Food Industry in Batu City**

Based on the results of hypothesis testing, business owner's knowledge variables, advice and infrastructure, the amount of venture capital and the number of employees together have a positive and significant effect on the implementation of the Regulations on the Food and Drug Supervisory Agency. There is a positive and significant influence between the knowledge of the business owner and the implementation of the regulations of the Food and Drug Supervisory Agency. There is a positive and significant influence between facilities and infrastructure and the implementation of the regulations of the Food and Drug Supervisory Agency. There is a positive and significant influence between the amount of venture capital and the implementation of the regulations of the Food and Drug Supervisory Agency. There is a positive and significant influence between the number of employees and the implementation of the Food and Drug Supervisory Agency's regulation on Food Production Methods in the Household Food Industry in Batu City.

Thus the most significant significance value is the knowledge of business owners, where the significance value of the knowledge of business owners is the smallest compared to the value of other variables that is equal to  $0.011 < 0.005$ . The business owner has full power over the company he has. In general they have good ability in decision making and fast movements to apply the regulations of the Food and Drug Supervisory Agency to its products.

## CONCLUSION

1. There is an influence of knowledge of capital owners with the implementation of the regulations of the Food and Drug Supervisory Agency on how food production in the Food Industry in Batu City. With a significance value of  $0.011 < 0.05$ .
2. There is an influence of facilities and infrastructure with the implementation of the regulations of the Food and Drug Supervisory Agency on the way of food production in the Household Food Industry in Batu City. With a significance value of  $0.036 < 0.05$ .
3. There is an influence of business capital with the implementation of the Food and Drug Supervisory Agency's regulation on food production in the food home industry in Batu City. With a significance value of  $0.046 < 0.05$ .
4. There is an influence on the number of employees with the implementation of the Food and Drug Supervisory Agency regulations on the way food production in the food home industry in Batu City. With a significance value of  $0.039 < 0.05$ .
5. That together with the knowledge of the owners of capital, facilities and infrastructure, the amount of business capital and the number of employees has a positive and significant influence on the implementation of the regulations of the Food and Drug Supervisory Agency on the way of Food Production in the Panga home industry in Batu City. With a significance value of  $0,000 < 0.05$ .

## REFERENCE

- Purnawijayanti, Hiasinta. 2001. Sanitasi Hygiene dan Keselamatan Kerja Dalam Pengolahan Makanan. Yogyakarta: Kanisius.
- Notoadmojo, Soekidjo. 2003. Ilmu Kesehatan Masyarakat. Prinsip Prinsip Dasar. Jakarta: Rineka Cipta.
- Gani, Ascobat. 2011. Kesehatan Masyarakat Investasi Manusia Menuju Rakyat Sejahtera. Jakarta: Republika.
- Riyanto, Agus dan Budiman. 2014. Kapita Selekta Kuesioner. Pengetahuan dan Sikap dalam Penelitian Kesehatan. Jakarta: Salemba Medika.
- BPOM. 2012. Tata Cara Penomoran Produk Industri Rumah Tangga Pangan. Badan Pengawas Obat dan Makanan. Jakarta.
- BPOM. 2012. Cara Produksi Yang Baik Untuk Industri Rumah Tangga Pangan. Badan Pengawas Obat dan Makanan. Jakarta.
- BPOM. 2012. Tata Cara Pemeriksaan Sarana Produksi Pangan Industri Rumah Tangga. Badan Pengawas Obat dan Makanan. Jakarta.
- BPOM. 2016. Pencantuman Informasi Tanpa Bahan Tambahan Pangan pada Label dan Iklan Pangan. Badan Pengawas Obat dan Makanan. Jakarta.
- BPOM. 2018. Pedoman Pemberian Sertifikat Produksi Pangan Industri Rumah Tangga. Badan Pengawas Obat dan Makanan. Jakarta.
- BPOM. 2018. Pedoman Pengawasan Pangan Industri rumah Tangga. Badan Pengawas Obat dan Makanan. Jakarta.