

SOCIALIZATION OF PRODUCTION MAINTENANCE MANAGEMENT TO IMPROVING THE MSMEs COMPETITIVENESS IN MERUYA SELATAN - WEST JAKARTA

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ABSTRACT

The development of Small and Medium Enterprises (SMEs) in Indonesia is increasingly rapid, this requires the existence of integrated handling in order to compete in the business world. Increasing competition makes SMEs must have an effective strategy. One strategy in the field of production management is good management of maintenance. Community service activities carried out in the South Meruya attended by 24 participants, the activity took place with an explanation relating to the Socialization & Training of Maintenance Management in Production at SMEs. Material related to Production Maintenance Management and production maintenance management processes. This training is an activity related to community economic empowerment through maintenance strategy training in SMEs business competition. In order to support the economic empowerment efforts of community counseling and training on Operational Strategies in SMEs business competition through residents who live in partner villages, it will help partner citizens know how to create maintenance strategies in SMEs business competition to improve community welfare. For this reason, this activity will provide training and assistance in operational strategies in SMEs business competition, so that partners are able to apply them in managing their business activities. The outputs that are expected to be realized from this activity are: 1. Development of knowledge of operational maintenance strategies in SMEs business competition in the residents of partner villages; 2. The formation of social care groups to make operational strategies in SMEs business competition in village.

Keywords: Maintenance Management, Globalization, Micro, Small and Medium Enterprises

1. INTRODUCTION

1.1. Background

The development of SMEs in Indonesia is increasingly rapid, this requires the existence of integrated handling in order to compete in the business world. Increasing competition makes SMEs must have an effective strategy. One strategy in the field of production management is good management of maintenance.

Production maintenance is a form of operations management activity that involves daily problems in terms of maintaining and ensuring that all production equipment remains in good condition and always ready for operation. Maintenance Management is a process of maintenance and care for all production equipment which includes planning, implementing and controlling it. Therefore, maintenance activities in production management are very important and play a very important role, because they will relate to "smooth or uneven production process activities", "Production time", "Quality", "Scheduling" and "production volume". If the maintenance of production carried out by SMEs is not optimal it will cause production bottlenecks, accidents, fires, delays, quality of goods declining etc.

SMEs in facing Globalization is the responsibility of all elements of the nation including educational institutions in this case the University. In this regard, it is necessary to empower SMEs (in an effort to strengthen SMEs as national economic fundamentals). One of community empowerment is in the form of socialization that provides an understanding of maintenance management in production so that in the end the community can understand the substance of the application in developing SMEs to realize Indonesia's economic independence

1.2. Focus on Community Service

The focus of this service is the Community in Meruya Selatan Village, West Jakarta, especially those who have businesses

1.3. Justification & Target

Maintenance management strategy which consists of the role of maintenance in production management, type of maintenance and maintenance process is very necessary to be understood by business people.

By knowing and implementing the maintenance strategy, it is hoped that business people can improve the operating system in their production, which will hopefully improve efficiency and effectiveness in order to ensure the sustainability of their business.

1.4. Identification of Problem

From the identification of these problems, several important points were obtained, including:

1. Lack of understanding of SMEs about the importance of maintenance management in production
2. Lack of community understanding about the maintenance process for the SMEs activity process

1.5. Relevance

In the economic competition in the face of globalization, it is necessary to understand the public, especially business people, about maintenance strategies to improve the efficiency and effectiveness of their production

2. LITERATURE REVIEW

2.1. Definition of maintenance management

According to Lindley in Sutawijaya (2018) stated that Maintenance is an activity that is carried out repeatedly with the aim that the equipment always has the same conditions as the initial state. Maintenance is also carried out to keep the equipment in a condition that is acceptable to its users.

2.2. The role of maintenance management

Maintenance activities in production management are very important and play a very important role, because it will relate to "smooth or not smooth production process activities", "Production time", "Quality", "Scheduling" and "production volume".

Due to negligence of maintenance:

1. Production bottlenecks.
2. Accident.
3. Fire.
4. Theft.
5. Delay
6. Replacement.
7. Poor health
8. The quality of goods decreases.

2.3. Types of Maintenance

1. Preventive maintenance is maintenance activities carried out to prevent damage to machines and tools. So it is an action taken before something damage occurs.
2. Long term maintenance is maintenance work which is also a prevention of damage to machinery and equipment, but which is made automatically or semi-automatically for a relatively long period of time, in this case maintenance only at certain moments of checking.
3. Routine maintenance is maintenance that is carried out, routinely or continuously, such as waste collection, lubrication, lamp replacement, and others. In essence this is the same as preventative maintenance.
4. Repair work is a maintenance that needs to repair the damage that occurred, both in the form of small or large repairs.
5. Corrective Maintenance is maintenance work that is a correction or repair. to a damage that has occurred.
6. Predictive Maintenance is only the latest preventive method by using sensitive tools, such as vibration analysis, amplitude meters, electronic measuring instruments, and others.
7. Planned Maintenance is the organization of maintenance work that is carried out based on planning and control.
8. Running Maintenance is a preventive maintenance that is carried out when the machine and tools are performing their functions (currently running).

9. Shutdown Maintenance is maintenance work carried out when the machine and tools are not performing their functions (currently stopped).
10. Breakdown Maintenance is maintenance work that is carried out after damage to the engine and equipment, but which is still included in the planning.
11. Emergency Maintenance is work that is forced to do because of a traffic jam or unexpected damage.

3. METHOD

The method of implementing the activity is divided into 4 parts, namely:

3.1. Preparation of Activity Plans

1. Coordination with related parties
2. Make a plan of activities

3.2. Preparation of activities

1. Make an invitation for participants
2. Contact and ensure the Speaker activities

3.3. Implementation of Activities

Maintenance Management Training in Production at SMEs

3.4. Activity Evaluation

The evaluation that will be carried out relates to:

1. Preparation of activities;
2. Coordination with related parties;
3. Material and resource persons;
4. The presence of the participants;
5. Equipment and administration.

4. RESULT & DISCUSSION

4.1. Results

1. There is a positive response from the training participants with the maintenance management training in production at SMEs
2. Increase participants' knowledge about:
 - a. Business strategy
 - b. Maintenance management strategy
 - c. Maintenance management process

4.2. Discussion

Understanding relating to production maintenance strategies is very important to:

1. Providing knowledge and insight to SMEs about the importance of maintenance management
2. Providing knowledge and insights to SMEs about the maintenance process for SME activities.
 - a. Definition of Maintenance in the production process
 - b. The Role of Maintenance in production management
 - c. Types of maintenance
 - d. Maintenance Process

The following flow chart for solving the problem:

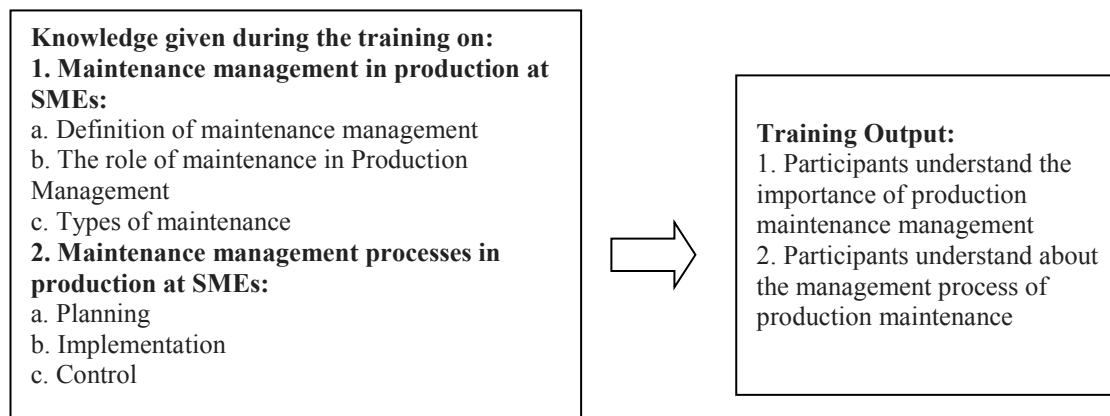


Figure 1. Overview of information transferred to the Target Audience

Implementation of community service:

1. There is enthusiasm from the community in welcoming cooperation as partners in community service.
2. The training situation is quite conducive and provides comfort for the participants.
3. The potential and ability of participants to participate in the skill activities are quite good, as evidenced by observations during the training activities participants are able to follow and understand the material.



Figure 2. Provision of material on Product Maintenance Strategies at SMEs



Figure 3. Participants in the Product Maintenance Strategy & Socialization Training at SMEs

5. CONCLUSION

From the results of the implementation of dedication can be concluded

1. Knowledge of Production Maintenance Strategy is very necessary for SMEs entrepreneurs to improve the efficiency and effectiveness of their production to support the sustainability of their businesses.
2. Continuing training related to business management is needed
3. There needs to be a forum for the SMEs business community

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