



IMPROVING QUALITY OF PRODUCTION PREFABRICATED WOODEN HOUSE COMPANIES: STUDY AT NATURA FITA AND JAVA WOOD, CENTRAL JAVA, INDONESIA

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ABSTRACT

Prefabricated Wooden House is the construction of prefabricated wooden house which the construction is faster because it uses the results module fabrication industry (the factory). Its components are made and partially installed by the manufacturer (off site). After everything is ready, then transported to the site, reassembled quickly, so stay complete utility and final processing (finishing). With Thus, some benefits such as rapid time of construction, development of a cleaner environment, and the cost is cheaper, can be achieved. Natura Fita in Semarang and Java Wood in Jepara are, both are in Central Java, which since 2010 has been engaged in the export of prefabricated wooden house. In the development, the enterprises are still face problems, thus made the achieving the exports both quantitatively and financially are not as expected. Activities undertaken to provide solutions related to the improvement of production through trainings, improvement of the quality of human resources and tools, improved management, business information network expansion. After the implementation of activities, both companies partners are expected will get improving quality of human resources, management, equipment, thus increasing the quantity of exports and an increase in revenue receipts

KEYWORDS: Prefabricated wooden house, export product, quality of production

INTRODUCTION

Small and Medium Enterprises in the timber industry are faced with greater challenges. Ranging from classical problems, such as the ability of human resources, equipment, regulations, and capital to regional and international issues such as the implementation of the ASEAN Economic Community in 2015. One of the export-oriented wood products are prefabricated wooden house or prefabricated wooden houses, namely: house construction of rapid development since it uses the results module fabrication industry (the factory). Its components are made and partially installed by the manufacturer (off site) After everything is ready, then transported to the site, reassembled quickly, so

stay complete utility (utility) and final processing (finishing). Thus, some benefits such as faster construction time, construction of a cleaner environment, and the cost is cheaper, can be achieved. This research was conducted in two companies, namely Natura Fita in Semarang and Java Wood in the city of Jepara, both located in the province of Central Java, Indonesia. Management of the business is still very modest, both in terms of production, administration, and marketing. NaturaFita production process, very simple despite having sorting equipment, dryers because it costs a lot for electricity and production. The lay-out the production process as follows:

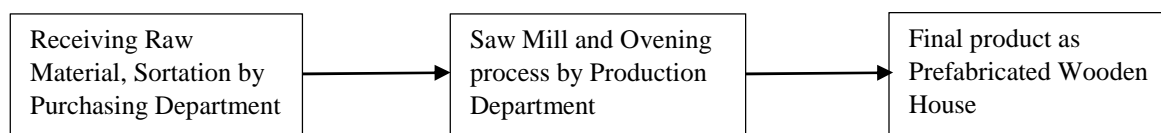


Figure 1. Production Process

Improving quality of production prefabricated wooden house companies

The products produced by the wood ready to be used as home products (prefabricated wooden house) . Within one month can produce 1-2 containers 20' per month. Administratively, still using a very simple accounting system still dan not using technology of information to help system Accounting - Bookkeeping just a simple accounting system with excel,

Auditing the company done by the owner only so only internal audits and very simple . The resulting product has not been processed IPR because they do not understand the importance of IPR. Inventory Management (Inventory), managed naturally capable carried out in accordance with the capacity of warehouses owned.

Table 1. The identification of problems at CV. NaturaFit and UD. Java Wood

PROBLEMS	NATURA FITA	JAVA WOOD
1) Technical		
SOP Produk Ekspor	Not available	Not available
Raw Material	From Collectors	From Collectors
Sortation of Raw Material	Manual	Manual
Machine Condition	Old	Old
2) Non-Technical		
Management	Has not receive some new management sciences	Has not receive some new management sciences
Human Resources	Has not receive some new management sciences	Has not receive some new management sciences
Accounting	Simple	Simple
Auditing	Internal	Simple
Intellectual Property Rights	Not available	Not available
Marketing	Limited to some countries	Limited to some countries
Export Lisence	Not available	Not available

OBJECTIVE OF THE STUDY

From some parts of the company, part of the production is the part that needs to be central to efforts to improve the company's performance. The purpose of this activity is to increase production capacity through skills training production personnel, improve managerial capabilities through Standard Operational Procedure, improvement of production machines to improve performance and the performance of the company production field.

METHODS

The method used is training, direct practice, mentoring, coaching and partnership with Natura Fita and Java Wood. Deficits improve production quality in cooperation with the Training Center Indonesia Semarang, curriculum and modules compiled with the following material: carry out the job requirements and safety at work, using hand tools and power tools, using machine tools remain, making components and connection details furniture simple shapes, assembling furniture. Organizational learning is done with the Standard Operational Procedure which includes 13 types of procedures of activities, namely: raw material purchase logs / wood, receipt and storage of wood logs, treatment of raw materials logyard, sawing wood (sawmill), drying wood, equipment and maintenance of boilers, equipment and maintenance of the fan, equipment and maintenance of saws (band saw), equipment and maintenance of knives, and laminated veneer lumber, administration of cash, cash receipt of cash, the installation of the knock-up and knock-down. Furthermore, research conducted with qualitative approach, which is used descriptive data in the form of words written or spoken of the

people and observed behavior, both in language, terminologies, and the environment (Moleong, 1984)

RESULTS AND DISCUSSION

Results can be achieved, include: statements Certificates *Competent* from the national standard by Training Industry Semarang to the production employees as proof of passing exams Competency Based Training. The production employees have had competence in terms of: implement the requirements of health and safety, using hand tools and power tools, using machine tools remain, making components and connection details furniture simple shapes, assemble furniture. Dissemination Standard Operational Procedure which has been followed well by all leaders and employees. A correct understanding of the discipline and implement the SOP and SOP is the key to success in improving corporate performance.

Results of the qualitative analysis showed that employees feel increased morale, increased technical capabilities and increased ability to understand the whole process of production enterprise.

CONCLUSION

Community Service in Export Product activity has increased the ability of human resources in the field of production in an effort to improve the company's performance . Activities that focus on the production of this needs to be followed up with an increase in administration and finance , improvement of production machinery , marketing , patent products , the export license

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REFERENCES

Asmosasmito,S. 2000.“Strategi Pemasaran Kayu Olahan Indonesia di Pasar Internasional.”*Jurnal Ilmiah Kesatuan*, No. 2 (2), pp. 15-21

Joshi,R.M. 2009. International Business. Oxford University Press.

Kotler,P. 1967. Marketing Management : Analysis, Planning, Control. Engelwood Cliffs, N.J.: Prentice-Hall

Moleong, Lexy,J, 1988, Metodologi Penelitian Kualitatif, Remaja Karya, Bandung

Roychansyah,M.S. 2006. Perkembangan Rumah Prefabrikasi. Diakses melalui : www.karyailmiah.com

Sianturi, A. & Subarudi . 2008. Informasi Pasar : Standar Produk Kayu, Persyaratan Mutu dan Peraturan Impor di Negara-negara Tujuan Ekspor Kayu Indonesia. ITTO Project PD 286/04, ISWA, Jakarta