

ABSTRACT

IMPLEMENTATION OF ERP APPLICATION PURCHASE MANAGEMENT MODULE WITH USING ODOO 10 (CASE STUDY OF PT ALBASIA NUSA KARYA)

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PT. Albasia Nusa Karya is a company runs in *bare core* production field. *Bare core* is wooden sheet formed from small pieces of wood (core), which is glued together to become a sheet and still a semi – finished material to be more processed into blockboard. The *bare core* product is obtained from silk tree wood (*Albizia falcata*) as the raw material.

The business process that is run by PT. Albasia Nusa Karya has not been mapped well so that some problems rised up. One of the problems is in the purchasing section. The raw material requirments data which is needed by storing department oftentimes not corresponding with the purchase order made by purchasing division. The ongoing process frequently generates unsuitable document between demand from storage section and purchase from purchasing section. Furthermore, there is a frequent difference between the invoice made by supplier to the goods receipt released by storage department. These problems happened because the raw material that was bought could not be sorted again into few grades when it arrives in the company and it causes data difference.

Based on the problems above, design and development of ERP system using module purchasing of Odoo 10 was done by iterative waterfall method to overcome the problems. On the identification stage, researcher did literature study and direct observation. Then on the requirement definition stage, identification toward existing business process and determination of need for the system that will be build were done. After the need was identified, proposed business process was made based on the analysis result from the previous stage. Then Odoo 10

application was installed and configurized afterwards. Testing system was done by the developer to test data integration among divisions. The last, User Acceptance Test was done to understand the scoring from user whether system is corresponding with the company needs.

Final result from this research is that purchasing ERP system based Odoo 10 that has been configured with business process and company needs that hopefully could overcome problems related to purchasing on PT. Albasia Nusa Karya.

Keywords: ERP, Odoo, Purchasing, Iterative Waterfall