

## ABSTRACTION

Pabrik Gula Kebon Agung is one of private factory which move in sugar product field. Quality sugar product must be supported by good raw material that is quality sugar cane. Sugar cane supply is more influence for sugar product process. The one of available raw material process in PG. Kebon Agung is publication Surat Perintah Tebang dan Angkut (SPTA). With PG. Kebon Agung develop, then necessities of raw material is increase. The increasing necessities of raw material has result supply and publication SPTA management process more complicated. The factory management often get complaint from supplier about a long time that they needs to manage SPTA. Many problems are appeared from long time to manage SPTA, such as many trucks taking sugar cane is queue and make jam in around factory road. In this final project, writer create a information system that can prepare supply sugar cane data and help the process of SPTA publication and also to give information about publication status, schedulling, machine status, and price with theme “*Design and Implementation Information System of Publication Surat Perintah Tebang Angkut (SPTA) Based on Short Message Service (SMS) in PG. Kebon Agung Malang..*”

In this information system design, there something to do in solving problem above which is consist of four stage, that is initial information stage, design system stage, test and design analysis stage, also conclusion and suggestion stage. Initial information stage covered purpose appoinment that will be achieved and do literature study then make design in system design stage. After finish make design system, the next process is test stage and continous to system analysis, are system that make is match with beginning purpose or no and finally until conclusion and suggestion stage from this system.

This final project divide into many chapter, that is chapter I about back ground, writing purpose, final project useful, and boundary problem. Chapter II about PG. Kebon Agung, literature study about information system and SMS Gateway. Chapter III about conceptual model with problem formulation in this final project. Chapter IV as core from this final project, that is system design and continued with system analysis on chapter V. Finaly chapter VI about conclusion and suggestion from final project has made.

From research result that has done, we can conclude the implementation information sytem of SPTA publication will help factories management and supplier to manage SPTA publication. Also can increase factory performance and help supplier to get update information like publication status information, price, etc.

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