

## **ABSTRACT**

*PT Pikiran Rakyat is a company that engaged in daily newspapers. This company needs main material, which is paper, ink, and printed plat, to run their production process. Other side, there is a complement material, like chemical water, that is used for machine treatment. Controlling and documenting procedure was done manually and it cost a lot of time. Other way, for production division, there is a controlling problem because the warehouse site is too far from production building. Furthermore, the information system of material can't be accessed from production building. The rest of material from production process aren't returned to the warehouse. Sometimes it wasn't reported either. It causes trouble, because the actual stock isn't update yet.*

*Through the research in the middle of 2009 that is use observation and interviews system, information system became a conclusion to solve their problems. With the design of information inventory system is expected to help the company to solve their problems. Besides, the information system will give an advice for material procurement. Furthermore, it will reduce the level of material stock out risk.*

*Design of the information system is analyzed from the existing system, both of inventory system and information system. Inventory system analyze is done by deterministic method because of the characteristic of the existing inventory is close to deterministic method's characteristics. Moreover, the information system is presented with the early warning system that could give a warning about total of the run out materials depend on reorder point calculation. Besides, the information system could give an advice for the procurement process depends on economics order quantity.*

**Keywords: information system, inventory system.**