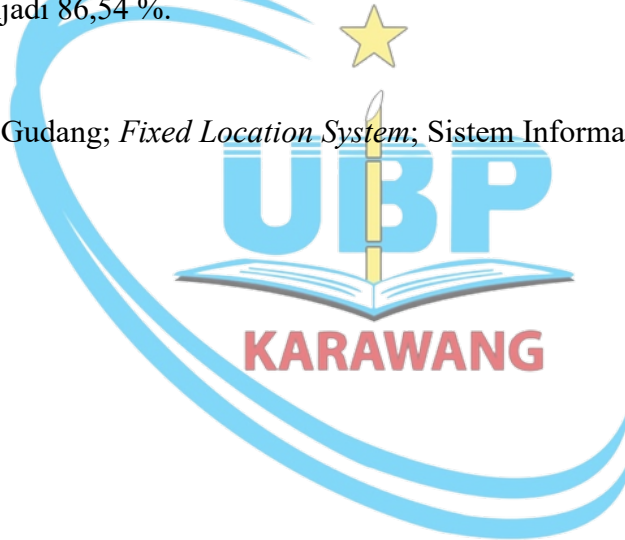


ABSTRAK

Gudang merupakan tempat penyimpanan barang, baik bahan baku yang akan digunakan dalam proses manufaktur maupun barang jadi yang siap dikirimkan. Pada gudang seksi pemeliharaan mesin produksi ditemukan kondisi penyimpanan suku cadang yang masih saling tumpang tindih dan sarana penyimpanan belum sesuai. Kegiatan pergudangan tidak efektif dan efisien serta masih dilakukan secara manual dan belum terintegrasi dengan perangkat komputer. Oleh karena itu dilakukan perbaikan sistem penyimpanan suku cadang dengan metode *fixed location system* dan perancangan aplikasi sistem informasi berbasis *desktop* dengan metode *waterfall*. Dari hasil penilaian kinerja keseluruhan sistem pergudangan yang meliputi penggunaan infrastruktur, kerapian penyimpanan, kondisi gudang, ketersediaan informasi lokasi, waktu pencarian, penggunaan peralatan dan efektifitas dan efisiensi proses kerja dan waktu dalam proses transaksi barang serta efektivitas dan efisiensi proses kerja dan waktu kegiatan *stock opname* menunjukkan peningkatan kinerja sebesar 47,50 % dari sistem kerja lama yang awalnya sebesar 39,04 % menjadi 86,54 %.

Kata kunci: Gudang; *Fixed Location System*; Sistem Informasi; *Waterfall*



ABSTRACT

Work fatigue is a subjective feeling accompanied by a decrease in effectiveness at Warehouse is a place to store goods or raw materials to be used in the manufacturing process and finished goods that are ready to be shipped. In the production machine maintenance section warehouse, it was found that the spare parts storage conditions were still overlapping and the storage facilities were not suitable. Warehousing activities are not effective and efficient and are still carried out manually and have not been integrated with computer equipment. Therefore, it is necessary to repair the spare parts storage system using the fixed location system method and design a desktop-based information system application using the waterfall method. From the results of the overall performance assessment of the legislation system which includes the use of infrastructure, storage tidiness, warehouse conditions, availability of location information, search time, use of equipment and the effectiveness and efficiency of work processes and time in the process of goods transactions as well as effectiveness and efficiency of work processes and time of stock opname activities shows an increase in performance of 47.50% from the old work system which was originally 39.04 % to 86.54%.

Keyword : Warehouse; Fixed Location System; Information System; Waterfall

