

RANCANG BANGUN SISTEM INFORMASI *PRODUCTION PLANNING* BERBASIS *WEBSITE* PADA PT HARTEKPRIMA LISTRINDO

ABSTRAK

Pemanfaatan teknologi informasi dalam kegiatan produksi diperlukan untuk mendukung pengelolaan data dan penyampaian informasi antar departemen secara lebih efektif. Pada PT Hartekprima Listrindo, pengelolaan data produksi masih menggunakan *Microsoft Access* yang hanya dapat diakses melalui jaringan tertentu, sedangkan penyampaian informasi mengenai progres produksi masih dilakukan secara manual. Kondisi tersebut menyebabkan keterbatasan akses informasi, risiko kesalahan atau duplikasi input data, serta keterlambatan informasi produksi. Oleh karena itu, dikembangkan Sistem Informasi *Production Planning* berbasis *Website* untuk membantu pengelolaan pekerjaan produksi secara terpusat. Pengembangan sistem dilakukan menggunakan metode *Waterfall* melalui tahapan studi lapangan (observasi), wawancara, analisis kebutuhan menggunakan PIECES, perancangan UML, implementasi, serta pengujian menggunakan *Black Box Testing*. Sistem yang dihasilkan memiliki fitur pengelolaan Surat Perintah Kerja (SPK), monitoring status progres produksi, serta pengelolaan memo pengiriman. Sistem yang dikembangkan mampu membantu pekerjaan menjadi lebih efektif, terstruktur, terintegrasi, serta mempermudah penyampaian informasi antar departemen.

Kata Kunci: sistem informasi, *website*, perencanaan produksi, monitoring, spk.

**DESIGN AND DEVELOPMENT OF A WEB-BASED PRODUCTION
PLANNING INFORMATION SYSTEM AT PT HARTEKPRIMA LISTRINDO**

ABSTRACT

The utilization of information technology in production activities is required to support more effective data management and information exchange between departments. At PT Hartekprima Listrindo, production data is still managed using Microsoft Access, which can only be accessed through a specific network, while information regarding production progress is delivered manually. These conditions result in limited access to information, duplicate data entry, recording errors, and delays in delivering production status information. Therefore, a web-based Production Planning Information System was developed to support centralized production data management. The system was developed using the Waterfall method through observation, interviews, literature studies, requirements analysis using PIECES, UML design, system implementation, and testing using Black Box Testing. The resulting system provides features for managing Work Orders, monitoring production progress, displaying production information through a dashboard, and managing delivery memos. The developed system is considered capable of making production data management more effective, structured, and integrated, while facilitating information exchange between departments.

Keywords: *information system, website, production planning, monitoring, work order.*