

ABSTRAK

Proses pelaporan kegiatan harian pada Bidang Teknologi Informasi dan Komunikasi (TIK) Polda Sumatera Selatan masih dilakukan melalui WhatsApp sehingga data sulit dikelola, ditelusuri, dan dimanfaatkan untuk *monitoring* serta pengambilan keputusan. Penelitian ini bertujuan membangun sistem pelaporan kegiatan harian berbasis *mobile* dengan menerapkan algoritma *Naïve Bayes* untuk mengklasifikasikan laporan kegiatan secara otomatis. Sistem dikembangkan menggunakan metode *Extreme Programming (XP)* dan memanfaatkan tahapan preprocessing teks serta pembobotan TF-IDF sebelum proses klasifikasi. Hasil klasifikasi digunakan untuk mengelompokkan laporan ke dalam kategori Operasional, Administratif, *Monitoring*, dan Pelatihan sebagai pendukung keputusan bagi pimpinan. Sistem yang dibangun mampu mempermudah proses pelaporan, meningkatkan pengelolaan data secara terstruktur, serta mendukung *monitoring* dan evaluasi kegiatan secara lebih efektif.

Kata Kunci: Sistem Pelaporan Kegiatan, *Mobile*, *Naïve Bayes*, TF-IDF, Pendukung Keputusan.

ABSTRACT

The daily activity reporting process in the Information and Communication Technology (ICT) Division of the South Sumatra Regional Police is still conducted through WhatsApp, making data difficult to manage, track, and utilize for monitoring and decision-making purposes. This study aims to develop a mobile-based daily activity reporting system by implementing the Naïve Bayes algorithm to automatically classify activity reports. The system was developed using the Extreme Programming (XP) method and employs text preprocessing and TF-IDF weighting prior to the classification process. The classification results are used to categorize reports into Operational, Administrative, Monitoring, and Training activities to support managerial decision-making. The developed system facilitates the reporting process, improves structured data management, and supports more effective monitoring and evaluation of activities.

Keywords: Daily Activity Reporting System, Mobile Application, Naïve Bayes, TF-IDF, Decision Support System.