

ABSTRAK

Penelitian ini membahas permasalahan pengelolaan anggaran operasional yang belum optimal, terutama dalam penentuan prioritas kegiatan dan proses pengambilan keputusan yang masih dilakukan secara lembar kerja elektronik. Untuk menentukan prioritas pengelolaan anggaran operasional menggunakan metode *Analytical Hierarchy Process* (AHP). Sistem dikembangkan berbasis web dengan *Framework* CI 4 dan *database* MySQL, serta menggunakan metode pengembangan perangkat lunak *Waterfall*. Metode penelitian menggunakan pendekatan kualitatif melalui wawancara, observasi, dan dokumentasi. Analisis sistem dilakukan menggunakan AHP dengan kriteria utama seperti regulasi, ketersediaan dana, sumber daya manusia, dan efektivitas program. Metode AHP menghasilkan prioritas yang jelas dengan faktor regulasi dan ketersediaan dana sebagai kriteria paling dominan. Penerapan metode *Waterfall* menghasilkan sistem lebih stabil dan mudah dikembangkan.

Kata kunci: AHP, *Waterfall*, CI4, MySQL, anggaran operasional

ABSTRACT

This study addresses the issue of suboptimal operational budget management, particularly in the prioritization of activities and the decision-making process, which is still conducted using electronic spreadsheets. To determine priorities in operational budget management, the Analytical Hierarchy Process (AHP) method was used. The system was developed as a web-based application using the CI 4 Framework and a MySQL database, and employed the Waterfall software development method. The research method employs a qualitative approach through interviews, observations, and documentation. System analysis was conducted using AHP with key criteria such as regulations, availability of funds, human resources, and program effectiveness. The AHP method produced clear priorities, with regulatory factors and availability of funds as the most dominant criteria. The application of the Waterfall method resulted in a more stable system that is easier to develop.

Keywords: AHP, Waterfall, CI4, MySQL, operating budget