

## ABSTRACT

The development of information technology has brought significant changes to various aspects of life, including business and project management. In the context of project management, project monitoring is a crucial element in ensuring the smooth progress and achievement of project goals. PT SUCOFINDO, particularly the Geomatics and Natural Resources Division of the SBU LSI, faces challenges in project monitoring because the current system focuses only on revenue monitoring through Microsoft Excel. This results in an unstructured reporting process and difficulties in collecting and analyzing the required data. To address these challenges, a project monitoring system that provides integrated and easily accessible information is needed. Among the various methods available for system development, this research uses the Extreme Programming (XP) method. XP is chosen for its flexibility towards changes and its ability to encourage effective communication between clients and developers. The XP method consists of four phases: planning, design, coding, and testing. At the end of the system development, testing is conducted using the black box method. The test results indicate that the system's functionality works well and meets user requirements, providing comprehensive information on both revenue and project progress.

**Keywords** : Black Box, Extreme Programming, Monitoring System, Project Monitoring, PT SUCOFINDO