

## ABSTRACT

The education system is increasingly developing day by day, including in higher education, each department currently has goals for learning in college. The learning objectives themselves are called Learning Outcomes (LOs) which are currently formulated using the Outcome Based Education (OBE) approach. Monitoring Learning Outcomes (LOs) using the Outcome Based Education (OBE) approach experiences problems due to the many indicators and calculations that must be carried out to measure Learning Outcomes (LOs), so research is needed to facilitate technology-based Monitoring of Learning Outcomes (LOs). Diponegoro University (UNDIP) Department of Informatics is needed to implement an efficient Outcome Based Education (OBE) approach in Monitoring learning outcomes. This research has resulted in the development of a web-based Outcome Based Education (OBE) curriculum-based learning achievement Monitoring application at the Department of Computer Science/Informatics, Diponegoro University. The application was developed using the ICONIX Process method and has gone through the stages of Requirements formulation, Analysis, design, as well as Implementation and testing. The aim of this research is to develop an information system that can monitor and evaluate student learning outcomes in real-time, thereby enabling faster and more accurate decision making in the learning process.

**Keywords** : Learning Outcomes, Outcome Based Education (OBE), Technology, Education