

## ABSTRACT

The *Forum Diskusi Informatika* was developed as a Knowledge Management System (KMS) application aimed at enhancing the accessibility and management of knowledge within the Informatics Study Program at Diponegoro University. This system is designed to facilitate academic collaboration between students and lecturers through a structured, *thread*-based discussion platform that ensures better documentation of shared information. Key features include image upload capabilities to clarify discussions and integration with academic schedules to support planning. The application was developed using the Laravel framework with an Agile methodology, allowing for flexible and adaptive development iterations. System evaluation was conducted using black-box *testing* to ensure that core functionalities operated according to specifications. Based on these *tests*, the system is confirmed to function as designed; however, further evaluation involving *end-users* is needed to assess its overall effectiveness in improving communication and collaboration.

**Keywords:** Knowledge Management System, Discussion Forum, Web-Based Application, Laravel, Agile Development.