

## ABSTRAK

Kata Kunci: *web, akreditasi, extreme programming, black-box testing, User Experience Questionnaire*

Akreditasi merupakan salah satu bentuk penilaian atau evaluasi terhadap mutu pendidikan baik dalam lingkup program studi maupun dalam lingkup perguruan tinggi yang dilakukan oleh organisasi atau badan mandiri di luar perguruan tinggi. BAN-PT merupakan salah satu Lembaga eksternal yang melakukan proses penilaian akreditasi pada perguruan tinggi. Institut Sains dan Teknologi Nahdlatul Ulama Bali merupakan salah satu perguruan tinggi yang akan melakukan proses akreditasi, namun dalam prosesnya ISTNUBA mengalami kendala di mana belum adanya sistem monitoring serta integrasi data dalam proses penyusunan LKPS dan LED. Sehingga peneliti memandang perlu merancang dan membangun sistem Monitoring Instrumen Akreditasi Program Studi berbasis Web Dashboard yang diharapkan dapat membantu dalam penyusunan dan monitoring borang akreditasi. Sistem dibangun dengan menggunakan metode *Extreme Programming*. Berdasarkan hasil pengujian *Black Box Testing* diperoleh sistem yang dikembangkan dapat berjalan sebagai mana yang sudah dirancang sebelumnya. Berdasarkan hasil *benchmark* nilai pada masing-masing aspek UEQ diperoleh hasil Daya Tarik memiliki nilai 1,69 dengan katagori *good*, Kejelasan memiliki nilai 1,57 dengan katagori *Above Average*, Efisiensi memiliki nilai 2,11 dengan katagori *Excellent*, Ketepatan memiliki nilai 1,68 dengan katagori *Good*, Stimulasi memiliki nilai 1,29 dengan katagori *Above Average*, dan Kebaruan memiliki nilai 0,86 dengan katagori *Above Average*.



## ***ABSTRACT***

*Keywords:* web, accreditation, extreme programming, black-box testing, User Experience Questionnaire.

Accreditation is one form of assessment or evaluation of the quality of education, both at the level of study programs and higher education institutions, conducted by independent organizations or bodies outside the universities. BAN-PT is one of the external institutions that carries out the accreditation assessment process for higher education institutions. Institut Sains dan Teknologi Nahdlatul Ulama Bali is one of the universities that will undergo the accreditation process, but during the process, ISTNUBA encountered obstacles where there was no monitoring system and data integration in the preparation process of LKPS and LED. Therefore, researchers see the need to design and build a Web Dashboard-based Accreditation Program Instrument Monitoring System, which is expected to assist in the preparation and monitoring of the accreditation form. The system is developed using the Extreme Programming method. Based on the results of Black Box Testing, the developed system was found to function as previously designed. Based on the benchmark results for each aspect of UEQ, the Attractiveness aspect scored 1.69 with a good category, Clarity scored 1.57 with an Above Average category, Efficiency scored 2.11 with an Excellent category, Accuracy scored 1.68 with a Good category, Stimulation scored 1.29 with an Above Average category, and Novelty scored 0.86 with an Above Average category.

