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STUDY PROGRAM ACCREDITATION DATA MANAGEMENT INFORMATION SYSTEM (SIMBAK) AT UNIVERSITY OF PGRI SILAMPARI LUBUKLINGGAU SELATAN SUMATRA

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INTRODUCTION

BAN-PT, through a letter Number: 335/BANPT/LL/2017 dated January 26, 2017, announced that BAN-PT would implement an instrument-based Online Higher Education Accreditation System (SAPTO), which was started on June 1, 2017. Study programs are required to upload a softcopy of accreditation forms and supporting documents through SAPTO when applying for accreditation. Advances in website-based information technology can provide convenience for each individual or group to communicate. Long distance is not a major obstacle in communicating. Advances in website-based information technology can be utilized by higher education institutions in providing fast and precise service access to the management of accreditation databases for both study programs and institutions. The management of accreditation management information system can utilize website-based information technology. Information technology-based data management can be useful, simplify, and facilitate users in the process of uploading and downloading data, production, and editing.

RESEARCH METHOD

This research approach uses the System Development Life Cycle approach or better known as SDLC is a general methodology used to develop information systems. The SDLC model that will be used in this study is a spiral model. The spiral model, originally proposed by Boehm, is an evolutionary software process model that combines the iterative nature of the prototype by means of the control and systematic aspects of a linear sequential model. Each cycle includes 1) communication with users, 2) planning, 3) risk analysis, 4) prototype or engineering, 5) construction, and 6) system evaluation. The stages can be explained as follows:User Communication (liaison). Build communication between users and the needs desired by the user.Planning. Define resources, timeliness, and other project-related information.Risk Analysis. Assess management and technical risks.Prototype or engineering. Build one or more representations of the application.Construction, namely the tasks required to construct, test, install, and provide services to users.Evaluation. To get feedback from customers

RESEARCH RESULTS

Based on graphic design experts evaluating the menu design of the developed product, the validation results are carried out to see the feasibility of the design from the study program accreditation data menu. The results of the validation of graphic design experts were carried out on six indicators of study program accreditation data components, namely: 1) the feasibility of component design criteria I, 2) the feasibility of component design criteria II, 3) the feasibility of component design criteria III, 4) the feasibility of component design criteria IV, 5) the feasibility of component design criteria V, 6) the feasibility of component design criteria VI, 7) the feasibility of component design criteria VII, 8) the feasibility of component design criteria VIII, 9) the feasibility of component design criteria IX, 10) the design of proposed data components, 11) the component design appendix data, and 12) the component design of supplementary data.

The results of the one-to-one validation of the SIMBAK model were carried out on three indicators, namely; 1) product attractiveness, 2) product content readability, and 3) product updates. After being evaluated, the operator felt interested and familiar with using SIMBAK. The operator understands the use of navigation buttons. This shows the advanced SIMBAK model. The level of legibility of menus and submenus is also very good. They understand how to input, process and output. The results of the system development stage can produce a product that can be used for small group trials.

CONCLUSION

The development of a study program accreditation data management system consists of managing study program assessor admin data and managing study program admin accreditation data management. Study program operators input and upload study program accreditation data and then send it to the server so that the data is stored in the study program accreditation data management information system. The database system has several important elements, namely: the database as the core of the database system, software to manage the database, hardware to support data processing operations, and humans who have an important role in the system.