

FEASIBILITY STUDY OF UBUNTU FOR LEARNING AND TEACHING FACILITIES IN THE COMPUTER EDUCATION STUDY PROGRAM AT FKIP ULM (Oleh: Ari Yono; Pembimbing: Harja Santana Purba, Muhammad Hifdzi Adini; 2025; 71 halaman)

ABSTRACT

Windows is the most widely used operating system globally. It is known as proprietary software with relatively high hardware requirements. Ubuntu 22.04 LTS, as an open-source operating system, offers a legal, lightweight, and efficient alternative. This study aims to explore the potential of Ubuntu 22.04 LTS as a learning support platform in the Computer Education Study Program at FKIP Universitas Lambung Mangkurat. The research employed an experimental method with a one-shot case study design, focusing on two main indicators: software availability and compatibility. Data were collected through curriculum document analysis, questionnaires distributed to subject lecturers, and direct software testing on Ubuntu. The results identified 50 required software applications, with 32 available directly and 18 available as alternatives. These findings indicate that Ubuntu is capable of meeting the software needs for learning in the Computer Education Study Program. This study also produced a practical guide for using Ubuntu 22.04 LTS as a support tool for academic activities in the Computer Education Study Program.

Keywords: Ubuntu, educational software, software compatibility, experimental research, computer education.

Disetujui oleh:

Pembimbing Utama

Dr. Harja Santana Purba, M.Kom.
NIP. 196307051989031002