

ABSTRACT

LITERATURE STUDY DETERMINATION OF LAPTOP CLASS WITH FUZZY MAMDANI METHOD

Benjamin Nickel Siswoyo ¹⁾, Safitri Jaya ²⁾

¹⁾ *Student of Informatics Departement, Universitas Pembangunan Jaya*

²⁾ *Lecturer of Informatics Departement, Universitas Pembangunan Jaya*

This research is a literature study that studies the application of the Fuzzy Mamdani method in determining laptop classes. This study analyzes scientific publications from 2020-2025 that discuss the use of Fuzzy Mamdani for laptop classification and selection. The research uses a systematic literature review method by determining, assessing, and synthesizing findings from various journal sources. The results show that the Fuzzy Mamdani method is effective in handling uncertainty and subjective criteria in the process of determining laptop classes, with an accuracy rate of 80-95%. The main criteria used include technical specifications (processor, RAM, storage), price, and physical characteristics of the laptop. This study contributes to the development of more efficient decision support systems in the information technology domain.

Keywords: Fuzzy Mamdani, Laptop Classification, Decision Support System, Literature Study.

Libraries :

Publication Years : 2020 - 2025