

AI-BASED TEST METHOD RECOMMENDATION FOR LEMBAGA SERTIFIKAT PROFESI PASAR MODAL

UNDERGRADUATE THESIS
Submitted as one of the requirements to obtain
Sarjana Komputer

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FACULTY OF COMPUTER SCIENCE
INFORMATION STUDY PROGRAM
CIKARANG
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ABSTRACT

The capital market plays an important role in the Indonesian economy by providing financial instruments such as stocks, bonds, mutual funds, and derivatives that provide financing for businesses and investments. Despite the importance of the capital market, participation from Indonesia's productive younger generation is still limited, creating challenges in realizing the demographic bonus and achieving the Indonesia Emas 2045 dream. The certification and supervision processes in the capital market are currently still largely manual, resulting in inefficiency and slow professional development. To overcome this problem, digital transformation through structured document management, automated supervision, and certification processes is necessary. By integrating machine learning algorithms and predictive modeling into document classification, filtering, and information storage systems, efficiency and accuracy in supervision can be improved. This technological approach not only speeds up the certification process but also ensures more effective regulation, supports professional growth, and strengthens the overall contribution of the capital market to the Indonesian economy.

Keywords: Capital Market, Indonesia, Certification, Supervision, Document Management, Machine Learning, Predictive Modeling, Digital Transformation

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