



**LEARNING ASSISTANCE ARTIFICIAL INTELLIGENCE (LESSIST AI)**

**UNDERGRADUATE THESIS**

**Submitted as one of the requirements to obtain  
Sarjana Komputer (S.Kom.)**

**By:**

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**FACULTY OF COMPUTING**

**INFORMATION TECHNOLOGY STUDY PROGRAM**

**CIKARANG**

**AUGUST, 2023**

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# LEARNING ASSISTANCE ARTIFICIAL INTELLIGENCE (LESSIST AI)

By

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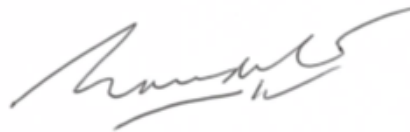
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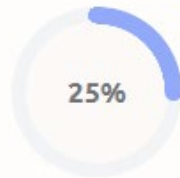
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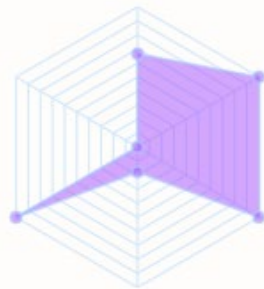
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## Writing Analysis



### Low:

Readability, Simplicity

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Average Sentence Length,  
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## **ABSTRACT**

In this thesis, a solution to the issue of stagnancy in the learning process due to the occurrence of choice overload to the learner in the learning resource collection phase is proposed. The proposed solution is a preventive act through a construct of artificial intelligence, called Lessist AI, that is able to handle the high complexity required to take over the responsibility of menial decision making. That delegation leaves the learner to be able to focus on the major decision making at the highest level of operation and also minimizing the probability of that issue occurring while preserving the suitability of the learning resources to the learner. The mentioned construct consists of three key points: the functions, the structures, and the user interface that are all established in this thesis. Moreover, parts of the construct structures, in particular the AI subsystems, are developed with Convolutional Neural Network (CNN) as the conceptual architecture. In that sense, CNN is the imaginary core of the construct. Finally, this work leaves out the implementation and expansion of the capability of Lessist AI as potential future works.

Keywords: Learning Assistance, Learning Resource Collection, Artificial Intelligence, AI Construct, Choice Overload

## **DEDICATION**

This thesis is dedicated first and foremost to my Lord Almighty, Jesus Christ for only due to His love and care that I am able to complete this thesis. Secondly, this thesis is for myself as the pinnacle of my undergraduate life and a proof of my own capability if I put a persistent will on something. Thirdly, this thesis is for my family who never ceases to support me along the process of making it, even though it took a lot longer than it supposed to be. Fourthly, this thesis is for a person, whose identity would remain undisclosed, that holds a special place in my heart as a first step to fulfill my promise. Finally, this thesis is dedicated for learners all around the world that never ceases to fill their curiosity and discover lots of various stuff in their own capacity. I hope that this thesis contributes to the future where the learning process will be a lot smoother, hence increasing the overall knowledge of us as a society.

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