

PREFACE

The author expresses gratitude to Allah SWT because, thanks to His grace and guidance, the preparation of this thesis, entitled “Enhancing Drug-Target Affinity Prediction Through Pre-trained Language Model and Gated Multi-head Attention,” can be completed to fulfil one of the requirements for completing education in the Master of Informatics at Telkom University. Moreover, this thesis contributes to the field of Computer Science, especially on the topic of Bioinformatics.

The author has gone through a long journey in order to complete the writing of this thesis. Many obstacles were faced in the process, such as difficulties in finding topics and problems in Chapter 1, looking for relevant studies, and trial and error to get the best model. However, thanks to His will, the author managed to complete the writing of this thesis.

The author realizes that the thesis is far from perfect. However, the author hopes that this thesis can be useful for readers and can be used as a reference for better development. This thesis certainly cannot be separated from guidance, input, and direction from various parties. Therefore, the author would like to thank all of the parties involved.

Bandung,

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