

**IMPLEMENTATION OF SMILES2VEC BASED LSTM
OPTIMIZED BY MONARCH BUTTERFLY
OPTIMIZATION ON PREDICTING DRUG SIDE
EFFECTS CASE STUDY OF BLOOD AND LYMPHATIC
SYSTEM DISORDERS**

A THESIS SUBMITTED TO
THE SCHOOL OF
COMPUTING

BY

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IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
DEGREE OF
MASTER OF
INFORMATICS IN
THE SCHOOL OF COMPUTING

**TELKOM UNIVERSITY
2023**