Analyzing the Autonomous Weapon System and Global Security Revolution with the case of China's AI Development

UNDERGRADUATE THESIS

Submitted as one of the requirements to obtain

Sarjana Sosial

By :

JURRY GABRIEL TANI

016201900082

FACULTY OF HUMANITIES

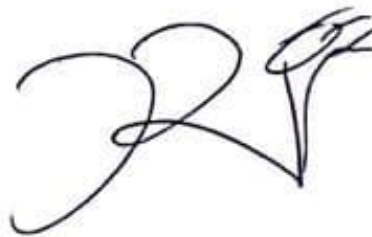**INTERNATIONAL RELATIONS STUDY PROGRAM**

CIKARANG

FEBRUARY 2023

PANEL OF EXAMINER APPROVAL SHEET

The Panel of Examiners declare that the undergraduate thesis entitled "Analyzing the Autonomous Weapon System and Global Security Revolution with the case of China's AI Development" that was submitted by Jurry Gabriel Tani majoring in International Relations from the Faculty of Humanities was assessed and approved to have passed the Oral Examination on February 16, 2023.

Panel of Examiner

Anggara Raharyo, S.I.P., M.P.S
Examiner

Final Project Advisor

Fahlesa Munabari, Ph.D
Final Project Advisor

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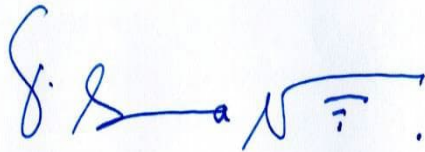
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Undergraduate Thesis author   : Jurry Gabriel Tani

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Cikarang, January 8, 2023

Fahlesa Munabari, Ph.D.

FINAL PROJECT ADVISOR RECOMMENDATION LETTER

This final project entitled **" Analyzing the Autonomous Weapon System and Global Security Revolution with the case of China's AI Development"** prepared and submitted by Jurry Gabirel Tani in partial fulfilment of the requirements of the degree of Bachelor of Arts in International Relations in the Faculty of Humanities has been reviewed and found to have satisfied the requirements for a final project fit to be examined. We, therefore, recommend this final project for Oral Defense.

Cikarang, 8th of January 2023

Acknowledged and recommended by:

Fahlesa Munabari, Ph.D.

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Analyzing the Autonomous Weapon System Revolution with the case of China's AI Development

Abstrak

Kemajuan terbaru dalam kecerdasan buatan (AI) menunjukkan dampak tak terduga dan kemungkinan transformatif yang ditimbulkan oleh inovasi teknologi ini terhadap kekuatan militer, persaingan strategis, dan politik global secara umum. Gelombang baru revolusi industri sebagian besar didorong oleh kecerdasan buatan di banyak bagian dunia. Revolusi AI sedang digunakan oleh beberapa negara, khususnya China. Dengan dirilisnya "Rencana Pengembangan Intelijen Selanjutnya" oleh Dewan Negara China. Kecerdasan Buatan (AI) adalah salah satu teknologi kunci perang masa depan. Tulisan ini akan menganalisis strategi dan implementasi kebijakan dari Tiongkok terkait kecerdasan buatan dan penggunaannya, dimana dengan rasa persaingan Tiongkok terus mengembangkan teknologi kecerdasan buatan yang dapat mendukung dan membantu kemajuan negaranya sendiri, tujuan makalah ini adalah untuk menguraikan perkembangan dan juga penerapan kecerdasan buatan dalam penggunaan militer dan keamanan secara langsung atau melalui dunia maya, dengan memetakan inisiatif kebijakan tingkat nasional utama yang menyatakan niat untuk memanfaatkan AI. Tulisan ini juga akan memaparkan Implementasi (Aksi, Strategi) China dalam menggunakan AI untuk peperangan.

Kata Kunci : Kecerdasan Buatan, Keamanan Nasional, Cina, Keamanan Cyber

Abstract

Recent advancements in artificial intelligence (AI) point to the unpredictable and possibly transformative impact that this technological innovation has on military might, strategic rivalry, and global politics in general. A new wave of industrial revolution is being fueled mostly by artificial intelligence in many parts of the world. The AI revolution is being used by several nations, particularly China. With the release of the "Next Intelligence Development Plan" by the State Council of China. Artificial Intelligence (AI) is one of the key technologies of future warfare. In this paper, this paper will try to analyze the strategy and implementation of policies from China regarding artificial intelligence and its use, where with a sense of competition China continues to develop artificial intelligence technology that can support and help the progress of

their own country, the purpose of this paper is to elaborate on developments and also application of artificial intelligence in military and security uses directly or via cyber,by mapping the major national-level policy initiatives that express the intention to utilise AI. This paper will also elaborated China's Implementation (Action, Strategy) in using AI for warfare.

Keywords : Artificial Intelligence, National Security, China, Cyber Security

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