



THE REPUBLIC OF INDONESIA DEFENSE UNIVERSITY

**THE IMPLEMENTATION OF INDONESIA – AUSTRALIA
CYBER COOPERATION IN STRENGTHENING INDONESIA'S
CYBER DEFENSE CAPACITY BUILDING 2018 - 2022**

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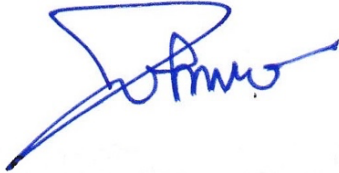

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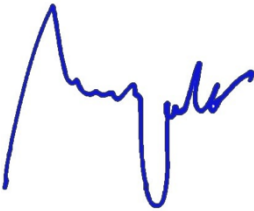
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DECLARATION OF ORIGINALITY

Hereby I acknowledge that this thesis does not contain some or the whole parts of previously published works that had been submitted to earn any scholarly degree in any University; and to the best of my knowledge and belief, there are no idioms, phrases, sentences, paragraphs, sub-chapters or chapters from any written or published works; except what was written in this thesis and mentioned in the Reference section.

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FOREWORDS

I would like to extend my gratitude to The Almighty God for His blessings and grace, so that this thesis with title: “The Implementation of Indonesia – Australia Cyber Cooperation In Strengthening Indonesia’s Cyber Defense Capacity Building 2018 - 2022” has finally been completed.

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Researchers are aware of flaws in this research, so it's require constructive criticism, suggestions, and guidance from all parties who may be able to assist in developing in the research. Hopefully, the researcher's thesis will

be useful for the advancement of the study of Defense Science, particularly Defense Diplomacy, and will add to the body of knowledge for other parties who will require it in the future.

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Bogor, February, 20, 2023

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke at the bottom.

Ujang Priyono

ABSTRACT

THE IMPLEMENTATION OF INDONESIA – AUSTRALIA CYBER COOPERATION IN STRENGTHENING INDONESIA’S CYBER DEFENSE CAPACITY BUILDING 2018 - 2022

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Cyber cooperation between Indonesia and Australia in the Defense Cooperation Arrangement is one of the Ministry of Defense's efforts to increase its cyber capacity. Defense cooperation between the two countries has existed for a long time, even before DCA existed. However, regarding cyber cooperation, this is certainly a new scope of cooperation. The research problems are about the challenge for Ministry of Defense to be able to increase its cyber defense capacity building through this cooperation. The purpose of this research is to analyze the current cooperation and determine possible actions to improve cyber defense capacity building. This research employs qualitative method. The research data were obtained from informants that had been previously determined, which were then analyzed using qualitative analysis technique. The results demonstrate that cyber cooperation with Australia is realized through various actions aimed at enhancing human competence in cyber. This includes awareness raising, cyber education, and cyber professionals training. But the implementation is still very low. Efforts to increase cyber defense capacity building must be carried out by optimizing existing cooperation. In addition, there is a need for coordination and communication forums between government agencies related to cyber cooperation. As the conclusion, cyber cooperation between Indonesia and Australia in the defense sector is still in the stage of establishing cyber defense capacity building.

Keywords: Cyber Security, Cyber Defense, Cyber Cooperation, Cyber Security Capacity Building, Indonesia - Australia

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LIST OF ABBREVIATION

BSSN	:	NATIONAL CYBER AND CRYPTO AGENCY
CERT	:	COMPUTER EMERGENCY RESPONSE TEAM
COE	:	COUNCIL OF EUROPE
CSIRT	:	COMPUTER SECURITY INCIDENT RESPONSE TEAM
DCA	:	DEFENSE COOPERATION ARRANGEMENT
DITKERSINHAN	:	DIRECTORATE OF DEFENSE INTERNATIONAL COOPERATION MINISTRY OF DEFENSE
DFAT	:	DEPARTMENT OF FOREIGN AFFAIRS AND TRADE
ENISA	:	EUROPEAN UNION AGENCY FOR CYBER SECURITY
GCI	:	GLOBAL CYBER SECURITY INDEX
ITU	:	INTERNATIONAL TELECOMMUNICATION UNION
MOU	:	MEMORANDUM OF UNDERSTANDING
NATO	:	NORTH ATLANTIC TREATY ORGANIZATION
OECD	:	ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT
OSCE	:	ORGANIZATION FOR SECURITY AND COOPERATION IN EUROPE
PUSHANSIBER	:	CYBER DEFENSE CENTER OF MINISTRY OF DEFENSE
TNI	:	INDONESIAN NATIONAL DEFENSE FORCES
UN	:	UNITED NATION