

# **THESIS**

## **THE IMPACT OF COOPERATION BETWEEN THE NATIONAL CYBER AND CRYPTO AGENCY (BSSN) AND THE INTERNATIONAL TELECOMMUNICATION UNION (ITU) ON IMPROVING DIGITAL SECURITY DEFENSE IN INDONESIA**



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## **ABSTRACT**

### **The Impact of Cooperation between the National Cyber and Crypto Agency (BSSN) and the International Telecommunication Union (ITU) on Improving Digital Security Defense in Indonesia**

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Society's dependence on digitalization triggers various digital threats. Therefore, the government through the Indonesian National Cyber and Crypto Agency (BSSN) builds cooperation with the International Telecommunication Union (ITU) to improve digital security in Indonesia. This research aims to explain the impact of the cooperation between the National Cyber and Crypto Agency (BSSN) and the International Telecommunication Union (ITU) in facing threats and challenges in the fast-growing digital system, based on the concepts of digital security and cyber diplomacy in international cooperation. The research method used is qualitative which explores the problem through a comparative study, by collecting data from various sources of literature in the form of books, scientific journals, articles, and official websites based on secondary data. The results showed that the results of the cooperation between the State Cyber and Crypto Agency (BSSN) and the International Telecommunications Union (ITU) had a significant impact on improving digital security defense in Indonesia, including; (a) strengthening digital security infrastructure through social, economic and political fields, (b) helping to establish digital cooperation in the pandemic era, (c) helping to increase state resilience through cyber diplomacy. Thus, this research makes an important contribution to understanding internet users, especially Indonesian people, to be wiser in social media.

***Keywords: Cooperation Impact, Defense Security Enhancement, Digital Security, Cyber Diplomacy***

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## ABSTRAK

### **Dampak Kerjasama Badan Siber dan Sandi Negara (BSSN) dan Persatuan Telekomunikasi Internasional (ITU) Terhadap Peningkatan Pertahanan Keamanan Digital di Indonesia**

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Ketergantungan masyarakat terhadap digitalisasi memicu berbagai ancaman digital. Oleh sebab itu, pemerintah melalui Badan Siber dan Sandi Negara (BSSN) Indonesia membangun kerjasama dengan Persatuan Telekomunikasi Internasional (ITU) dalam upaya meningkatkan keamanan digital di Indonesia. Penelitian ini bertujuan untuk menjelaskan dampak dari kerjasama Badan Siber dan Sandi Negara (BSSN) dan Persatuan Telekomunikasi Internasional (ITU) dalam menghadapi ancaman dan tantangan pada system digital yang semakin cepat berkembang, dengan melandaskan pada konsep keamanan digital dan diplomasi siber dalam kerjasama internasional. Metode penelitian yang digunakan adalah kualitatif yang mengeksplorasi masalah melalui studi komparatif, dengan mengumpulkan data dari berbagai sumber literatur berupa buku, jurnal ilmiah, artikel dan situs web resmi berdasarkan data sekunder. Hasil penelitian menunjukkan bahwa Hasil Kerjasama Badan Siber dan Sandi Negara (BSSN) dan Persatuan Telekomunikasi Internasional (ITU) memberikan dampak yang cukup signifikan terhadap peningkatan pertahanan keamanan digital di Indonesia, antara lain; (a) penguatan infrastruktur keamanan digital melalui bidang sosial, ekonomi, dan politik, (b) membantu terjalannya kerjasama digital di era pandemi, (c) membantu meningkatkan ketahanan negara melalui diplomasi *cyber*. Dengan demikian, penelitian ini memberikan kontribusi penting dalam pemahaman terhadap pengguna internet khususnya masyarakat Indonesia untuk lebih bijak dalam bersosial media.

***Kata Kunci: Dampak Kerjasama, Peningkatan Pertahanan Keamanan, Keamanan Digital, Cyber Diplomacy***

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# APPROVAL SHEET

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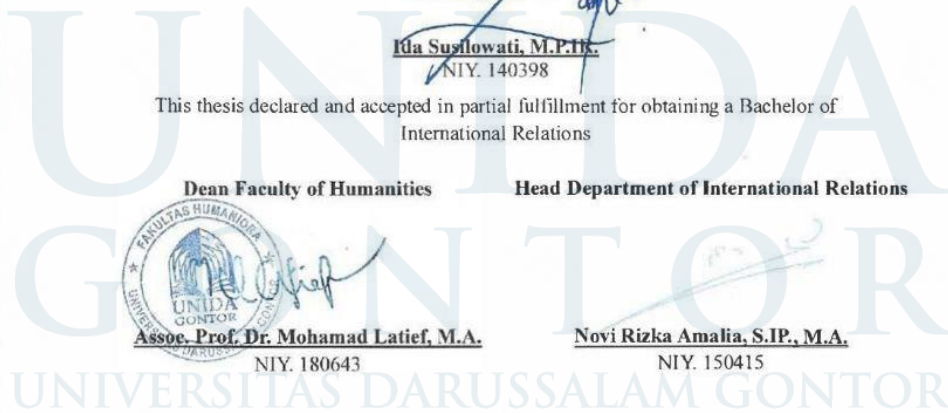
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I declare that this thesis has been composed solely by myself and that it has not been submitted, in whole or in part, in any previous application for a degree. Except where states otherwise by reference or acknowledgment, the work presented is entirely my own.

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**MOTTO**

اللَّهُمَّ خَيْرًا فِي كُلِّ أَمْرٍ أَنْتَظِرُهُ

*“O Allah, give me the best in everything I wait for.”*

*“Face the rigours of life with tenderness”*

*-Warmest Dad, Hanif A. Nugroho-*

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