Penerapan sistem Command Control Communication Intelligence (C3i) bagi organisasi intelijen di Indonesia = Implementation of Command Control Communication Intelligence (c3i) systems for Indonesian intelligence organization / Andrea Abdul Rahman Azzqy

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Abstrak

ABSTRAK
 Studi penelitian ini mengenai Organisasi Intelijen di Indonesia yang ditemukan sedang menerapkan sistem Komando dan Kendali. Sistem yang di terapkan bernama C3I, merupakan kependekan dari Command, Control, Communication, and Intelligence. Karena sistem C3I berkarakteristik sebagai Center of Gravity (CoG), maka C3I mempunyai arti vital, yang dalam hal ini dimiliki oleh organisasi intelijen militer dan organisasi intelijen negara. Masalah yang diangkat adalah penerapan sistem C3I yang sedang diimplementasikan dan analisis efektivitas sistem tersebut terhadap teknologi intelijen Indonesia.

Dalam penelitian ini menggunakan analisis deskriptif analitik. Analisis ini digunakan untuk menggali dan mengenali lebih dalam tentang penggunaan sistem C3I di dalam penerapannya, termasuk teori dasar pada struktur teknologi intelijen di dalam organisasi intelijen Indonesia. Dalam menganalisis efektivitas dari penerapan sistem C3I menggunakan metode Force Field Analysis dan alat analisis SWOT. Penelitian ini menggunakan hasil wawancara delapan narasumber yang mempunyai kompetensi dan pengalaman terhadap konsep, teori, dan implementasi sistem C3I, termasuk kajian literatur.

Hasil analisis deskriptif analitik menunjukkan bahwa dibutuhkan modernisasi teknologi intelijen dan infrastruktur pendukung sistem C3I dalam membantu kegiatan intelijen. Didapati permasalahan di dalam terbatasnya metode untuk saling berkomunikasi, belum mengintegrasikan sistem pengamanan trasmisi dengan metode keamanan terpadu (encrypted), serta melakukan akusisi terhadap sistem komunikasi satelit mandiri sesuai dengan kompartemen dari organisasi intelijen militer dan negara. Selain itu minimnya sumber daya manusia yang mempunyai kemampuan dan pengalaman dalam mengawaki sistem C3I merupakan masalah yang harus segera ditangani demi tercapainya optimalisasi penggunaan sistem tersebut. <hr> ABSTRACT
 This research study regarding the implementation of the Indonesian intelligence organization Command and Control system. The system be integrated called C3I. Because C3I systems characterized as Center of Gravity (COG), the C3I have vital significance, which in this case is owned by the military intelligence organization and national intelligence organization of Operations Command Control Centre. The issue raised was the effectiveness of C3I systems that have been implemented and the analysis of the development of such systems in the future for challenging upcoming threat.

This study used a descriptive analytics analysis. This analysis is used to explore and identify more about the use of C3I systems in its implementation, including the basic theory of organizational structure in this regard Indonesian intelligence organization. Approach to analyzing the effectiveness of the implementation of C3I

systems using Force Field Analysis methods and SWOT as tool of analysis. This study interviews eight speakers who have the competence and experience of the concepts, theories, and implementation of C3I systems, also extensive literature studies.

Analytics analysis results indicate that the required modernization of the electronic intelligence and technology of intelligence systems and the supporting infrastructure C3I systems. Problems found in the lack of safe methods to communicate with one another, communication transmission has not integrate security systems with encrypted by intelligence spec security methods, and perform the acquisition of the satellite communications owned by Indonesian intelligence organization, both national and military. Besides of findings above, lack of human resources who have the ability and experience manning C3I systems are also main issue that must be addressed in order to achieve optimization of the system.