



**ANALYZING BLOCKCHAIN TECHNOLOGY AS ESTONIA'S
CYBERSECURITY STRATEGY TO RESPOND TO ESTONIA
CYBER-ATTACKS IN 2007
(2012-2018)**

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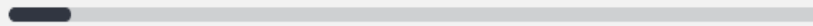
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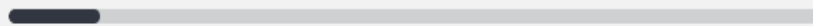
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ABSTRACT

This article attempts to show how Blockchain Technology became one of Estonia's cybersecurity strategies after the cyber-attacks that occurred in 2007, allowing Estonia to show that they could strengthen their cyber security through Offense-Defense Theory. This article will show the offensive behavior that makes Estonia go on the defensive. In his explanation regarding Blockchain Technology as an Estonian Cybersecurity Strategy, here will be shown the steps taken by Estonia after the cyber-attack which was a response to the domination of Russian offensive behavior which has a history due to the Bronze Night. Furthermore, this article will show Blockchain Technology in the period 2012 to 2018 as a form of Estonian defense behavior. Thus, it can be seen that with Blockchain Technology, Estonia has become a security balancer both with Russia which is the most rational cause for Estonia to strengthen its cyber security and with the outside world, considering that the actors in cyber war cannot be determined.

Keywords: *Blockchain, Technology, Cybersecurity Strategy, Estonia, Cyber Attack*

ABSTRAK

Artikel ini berusaha menunjukkan bagaimana Teknologi Blockchain menjadi salah satu strategi cybersecurity Estonia setelah serangan cyber yang terjadi pada 2007 yang memungkinkan Estonia menunjukkan bahwa mereka mampu memperkuat keamanan cybernya melalui Teori Offense-Defense. Artikel ini akan menunjukkan perilaku ofensif yang membuat Estonia menjadi defensif. Dalam penjelasannya terkait Blockchain Technology sebagai Strategi Cybersecurity Estonia disini akan ditunjukkan langkah-langkah yang diambil Estonia setelah serangan cyber tersebut yang merupakan tanggapan terhadap dominasi perilaku ofensif Russia yang memiliki history karena Bronze Night. Selanjutnya, Artikel ini akan menunjukkan Teknologi Blockchain dalam kurun waktu 2012 hingga 2018 sebagai salah satu bentuk perilaku defense Estonia. Dengan demikian, dapat terlihat bahwa dengan Blockchain Technology, Estonia menjadi penyeimbang keamanan baik dengan Russia yang paling rasional menjadi penyebab Estonia memperkuat keamanan cybernya maupun dengan dunia luar, mengingat actor dalam perang cyber tidak bisa ditentukan dengan jelas.

Kata Kunci: *Blockchain, Teknologi, Strategi Keamanan Siber, Estonia, Serangan Siber*

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