A comparative survey of cybersecurity in Estonia, Singapore, and South Korea and lessons for Indonesia

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Abstrak

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The rapid development of cyberscape has added a new repertoire of security challenges to the state. Despite these emerging cyberthreats, cybersecurity in Indonesia remains in a fledgling state. As such, it is imperative for Indonesia to implement best practices in cybersecurity for the fulfilment of national security. These best practices can arguably be learned from countries that have experience in cybersecurity, particularly hyperconnected societies where access to the internet is an essential, if not vital, common good and the securing that access is imperative. This paper aims to provide a comparative overview of how cybersecurity policies are implemented in three different countries: Estonia, Singapore, and South Korea. These countries have been selected due to their advanced approaches to cybersecurity. From the comparative survey, several best practices in cybersecurity are distilled based on the experiences of the surveyed countries. Then, this paper assesses whether Indonesia exhibits these best practices and concludes how these best practices could be implemented.