INFORMATION SECURITY STANDARD WORKFORCE: THE FRAMEWORK DESIGN WITHIN INDONESIAN CONTEXT

By

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

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Indonesia internet users are growing exponentially in the recent years, making it twice the numbers from 2010 to 2016. However, Indonesia also the 7th best place for malware and botnet, these stat shows that Indonesia internet users are not having the sufficient awareness nor the information security professionals to protect the national infrastructures. This research leverage the necessity of information security workforce standard which can support the Indonesian Government to define the Information Security workforce Requirements. NIST Cyber Security Framework and NIST Cyber Security Workforce are chosen to be the fundamental standard to develop workforce mapping for all Indonesian Government and Enterprise sector. Questionnaire and interviews had been performed in order to have a clear justification for the need of workforce mapping. Finally, validation process with 4 experts was fully agreed that the proposed method can be implemented in Indonesian Government and Enterprise sector.

Keywords: Information Security Workforce, Cybersecurity Workforce, Information Security Workforce Standard, NIST

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DEDICATION

I dedicate this works for the future of the country I loved: Indonesia

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