

Judul tesis : IMPLEMENTASI NIST CYBERSECURITY FRAMEWORK
(CSF) SEBAGAI CYBERSECURITY GUIDELINE
(CASE STUDY PT. ABC)

ABSTRAK

National Institute of Standards and Technology Cybersecurity Framework (NIST CSF) menyediakan kerangka kebijakan sebagai panduan keamanan komputer bagi organisasi sektor swasta agar dapat menilai dan meningkatkan kemampuan mereka untuk mencegah, mendeteksi, dan merespon serangan cyber. PT. ABC sebagai salah satu perusahaan yang bergerak di bidang jasa keuangan (perbankan) di Indonesia merupakan contoh perusahaan yang sering mengalami serangan-serangan cyber seperti DDoS (Distributed Denial of Services), Phishing, Malware, Ransomware, dll. Dengan menggunakan NIST CSF diharapkan program cybersecurity yang sudah ada pada PT. ABC akan lebih baik, atau jika belum ada NIST CSF dapat membantu merekomendasikan program-program yang sesuai dengan kebutuhan PT. ABC sehingga pengelolaan risiko cybersecurity akan lebih baik.

Kata Kunci: National Institute of Standards and Technology Cybersecurity Framework (NIST CSF), cybersecurity, serangan cyber, pengelolaan risiko cybersecurity.

ABSTRACT

The National Institute of Standards and Technology of the Cybersecurity Framework (NIST CSF) provides learning tools for computers and organizations to enable, detect, and respond to cyber attacks. PT. ABC as one of the companies engaged in finance (banking) in Indonesia is an example of companies that often conduct cyber attacks such as DDoS (Distributed Denial of Services), Phishing, Malware, Ransomware, etc. By using NIST CSF, it is expected that existing cybersecurity programs at PT. ABC will be better, or if there is no NIST CSF can help program programs that match the needs of PT. ABC Zeit's security of cybersecurity will be better.

Keyword: *National Institute of Standards and Technology Cybersecurity Framework (NIST CSF), cybersecurity, cyber attack, cybersecurity risk management.*

