UNIVERSITAS INTERNASIONAL BATAM

ANALYSIS OF SECURITY VULNERABILITY LEVELS ON THE SIMPABU WEBSITE MONITORING SYSTEM FOR NON-PNS BUDDHA RELIGIOUS COUNSELING, REGIONAL OFFICE OF THE MINISTRY OF RELIGION, RIAU ISLANDS PROVINCE WITH THE STANDARD PENETRATION TESTING EXECUTION METHOD (PTES)

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ABSTRACT

In this modern and sophisticated era, security in an application has become an important role because the security of important data can be well maintained. The purpose of writing this scientific paper is to minimize the risk of security vulnerabilities on the website by performing penetration testing on the website of the Monitoring System for Non-PNS Buddhist Religious Trainers at the Regional Office of the Ministry of Religion, Riau Islands Province (alpha.simpabu.com). This test uses the Penetrasion Testing Execution Standard (PTES) method and the tools used are Nessus to detect weaknesses, configuration errors and the occurrence of defects in a system. The results of this study obtained information about the level of severity at the medium level and found 7 kinds of vulnerabilities that could be potential entry attacks, then solutions were also provided to overcome these vulnerabilities.

Key words: Security, Penetration Testing, PTES, Nessus