ABSTRACT

VULNERABILITY ANALYSIS OF WEBSITE SECURITY OF POPULATION AND CIVIL RECORDS DEPARTMENT XYZ USING THE ISSAF FRAMEWORK

Oleh:

AGISTRA FEBRIANDI

NIM:1202180206

The website is one thing that must exist in an organization or company and even a state institution to assist in business needs or help the public to get important information listed on the website. Some websites have documents that should not be accessed by anyone, but often the documents or data are leaked (accessible by hackers). Website hacking that has occurred in Indonesia has occurred several times, government websites have been compromised, such as the BSSN website, the KPAI website, and the cabinet secretariat website. This can also be experienced by the XYZ Population and Civil Registry website, so it is necessary to do a vulnerability assessment and penetration testing to get recommendations for security holes. The test was carried out using the Information System Security Assessment Framework (ISSAF) with zenmap tools, netcraft, burpsuite, and owasp zap. The results of the test using zenmap and netcraft resulted in information gathering while vulnerability testing was carried out with owasp zap and found 5 low levels, 4 medium levels and 2 informational levels. After finding security holes, verification is carried out on 2 security holes, namely missing anti-clickjacking X-frame-option and directory listing, after which each security vulnerability is given recommendations to improve the security of the XYZ Population and Civil Registry website.

Keywords: *website, vulnerability, penetration, owasp zap, ISSAF*