

ABSTRACT

Currently, the website is an application that really helps the company's sustainability. One example is the PTPN This is because data leaks and attacks on research can cause losses for companies. By using the OWASP TOP 10 Method, this research aims to disseminate a security information system on the PTPN XI Tax Office website. In this research, penetration testing was carried out starting from collecting information, scanning, testing and finally there was analysis and results based on the level of risk from OWASP itself. In this research, the OWASP TOP 10 consists of 10 vulnerabilities that have been compiled by the OWASP organization. OWASP itself is an international organization that aims to secure information systems, OWASP TOP 10 has 10 vulnerabilities which are always updated every few years in research used by OWASP TOP 10 in 2021 where the research found 5 vulnerabilities, namely A05, A06, A07, A08, and A09. In A05, it was found that the vulnerability was caused by a SQL database error page appearing. In A06, there was a vulnerability because the technology used for the website was too old and there was no update for A07. There was also a vulnerability caused by a weak password. In A08, there was also a vulnerability caused by software failure. and data where user accounts can access the ADMIN USER page and add Admin users and for A09 it is declared vulnerable because there is no maximum login failure limit and there is no login monitoring recorded for A10 it is declared safe because it does not raise StockApi which can be used by attackers to access the Admin page

Keywords: *Write down 3 - 5 keywords related to the problem being discussed.*