

## **ABSTRACT**

*The rapid development of information technology has had a positive impact in various fields, and one of the fields that has benefited from the development of information technology is internet technology. As is the case with e-ticketing websites, apart from providing convenience, e-ticket websites can also have vulnerabilities and security holes that can harm users, such as SQL injection, XSS, and others. E-Ticketing or Electronic Ticketing is a method of trading, purchasing and selling tickets for various service products, especially travel services, via the internet and computer media. The aim of this research is to find out to what extent the Indonesian E-ticketing website is safe to use and to find out what attacks that can damage the system and take information can be overcome so that the website can be safer. To find out existing security gaps, researchers used the penetration testing method with the ISSAF framework. After penetration testing was carried out, the Indonesian e-ticketing website had vulnerabilities, this was proven by testing at the vulnerability identification stage using the Owasp Zap tool. However, the results of the scanning carried out by researchers stated that they failed to carry out the attack because the website already used SSL (Secure Socket Layer) security.*

**Keywords:** *Security Quality, Penetration Testing, Website E-ticketing*