

## INTISARI

Analisis Keamanan Pada Website Forum Asisten Universitas Amikom Purwokerto Dengan Menggunakan Metode OWASP Web Security Testing Guide Tujuan dari penelitian ini adalah melakukan pengujian tingkat keamanan Forum Asisten dengan menggunakan metode Web Security Testing Guide (WSTG), harapannya pengujian tingkat keamanan dapat memberikan gambaran tingkat keamanan pada website Forum Asisten Universitas Amikom Purwokerto. Penelitian ini hanya membahas mengenai metode Web Security Testing Guide (WSTG). Tahapan pengujian WSTG yang dilakukan hanya Information Gathering, Configuration and Deployment Management Testing, Session Management Testing, Input Validation Testing, Testing For Weak Cryptography dan Client Side Testing. Metode yang digunakan dalam penelitian ini adalah Web Security Testing Guide. Hasil dari pengujian yang telah dilakukan ditemukan bahwa website Forum Asisten terdapat beberapa celah keamanan yang dapat membahayakan keamanan website. Perlu segera dilakukan tindakan pencegahan lebih dini dan rata-rata kemungkinan celah keamanan yang ditemukan dimaksudkan untuk melakukan langkah analisis memberikan fokus terhadap poin-poin pengujian yang terdapat celah keamanan. Metode OWASP WSTG v4.2 layak dijadikan sebagai acuan dalam melakukan uji Penetration Testing pada website Forum Asisten Universitas Amikom Purwokerto. Hal ini dapat dilihat dari hasil pengujian dan analisa yang menunjukkan bahwa website Forum Asisten Universitas Amikom Purwokerto memiliki kelemahan yang dapat dieksploitasi website Forum Asisten Universitas Amikom Purwokerto setelah dilakukan pengujian keamanan berdasarkan dokumen OWASP WSTG v4.2. Keamanan sistem pada website Forum Asisten Universitas Amikom Purwokerto masih belum memenuhi prinsip keamanan CIA (Confidentiality, Integrity, and Availability). Hal ini dapat dilihat dari beberapa celah keamanan setelah dilakukan pengujian penetrasi.

Kata kunci: OWASP, WSTG v4.2, Keamanan Informasi, Website

## **ABSTRACT**

*Security Analysis on the Assistant Forum Website at Amikom Purwokerto University Using the OWASP Web Security Testing Guide Method. The purpose of this study is to test the security level of the Assistant Forum using the Web Security Testing Guide (WSTG) method, it is hoped that testing the security level can provide an overview security level on the Amikom Purwokerto University Assistant Forum website. This research only discusses the Web Security Testing Guide (WSTG) method. The WSTG testing stages carried out were only Information Gathering, Configuration and Deployment Management Testing, Session Management Testing, Input Validation Testing, Testing For Weak Cryptography and Client Side Testing. The method used in this study is the Web Security Testing Guide. The results of the tests that have been carried out found that the Forum Assistant website has several security holes that could endanger the security of the website. It is necessary to immediately take preventive action earlier and on average the possibility of security vulnerabilities found is intended to carry out an analysis step to focus on test points where there are security vulnerabilities. The OWASP WSTG v4.2 method is suitable as a reference in conducting Penetration Testing on the Amikom Purwokerto University Assistant Forum website. This can be seen from the results of testing and analysis which show that the Amikom Purwokerto University Assistant Forum website has weaknesses that can be exploited by the Amikom Purwokerto University Assistant Forum website after security testing is carried out based on the OWASP WSTG v4.2 document. System security on the Amikom Purwokerto University Assistant Forum website still does not meet the CIA security principles (Confidentiality, Integrity, and Availability). This can be seen from several security holes after penetration testing.*

*Keywords: OWASP, WSTG v4.2, Information Security, Website*