

**Pengujian E-Raport Menggunakan Penetration Testing dan Blackbox Testing  
(Studi Kasus Pada Website SMK NU Darussalam Banyuwangi)**

*E-Raport Testing Using Penetration Testing and Blackbox Testing  
(Case Study on the Website of SMK NU Darussalam Banyuwangi)*

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***ABSTRACT***

*Website is a media page contained in a domain that contains information provided by individuals, groups or organizations. One of the benefits of using a website is to help exchange and process data services between users through the network. The development of IT in the education world is no less fast. Many educational organizations are trying to take advantage of IT to improve quality and service competition according to user needs, one of which is in the form of E-Raport. This E-Raport is a web-based software that functions to manage and compile reports on the achievement of student competence (Raport) in an education. Making an E-Raport system is no less because the user's needs are processing data information media. Due to the procedures and use of certain purposes, the data becomes sensitive because it is intended for certain recipients. SQL Injection is a code injection technique used to carry out attacks and security exploits on data-driven web applications where the inclusion of malicious SQL is entered into entries for execution. E-Raport application*

*security testing using penetration testing method with SQL Injection technique. Based on the results of security testing, it can be stated that the threat level to the web server and the E-Raport website is at a safe level. This shows that there are no loopholes that allow threats and illegal access to potentially damage the system.*

**Key word:** *Penetration Testing, SQL Injection, Blackbox Testing.*