

## ABSTRACT

### Development of Application Monitoring Attack on Web Applications Using ModSecurity with Intrusion Notification Feature

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*Web applications are an important aspect in running business processes to store company data or personal data, web applications are also targeted by unauthorized parties because they are vulnerable to being stolen, damaged, and removed. Frequent attacks such as Unix Command Injection, SQL Injection, and XSS jeopardize the data in the application. Maintaining the privacy and security of user data on the website requires an application that can assist in securing privacy data. Related to this, in this study researchers developed a web application firewall to protect applications from cyber crime threats such as SQL Injection, XSS Attack, and Command Injection. Modsecurity comes as a Web Application Firewall that can be used because it is open-source based to protect applications owned by individuals and Limited Liability Companies (LLC). Modsecurity works by analyzing the request and filtering requests that carry malicious syntax through predefined rules by blocking. This application can help, monitor, and facilitate administrators to analyze logs recorded as attacks and integrated with intrusion notification features via telegram and provide direct notification to administrators. The result of Modsecurity security is able to protect the application from these attacks.*

**Keywords:** Data Privacy, Application, ModSecurity, Cyber, Telegram.

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