

ABSTRACT

CYBER THREAT VISUALIZATION TECHNIQUES ON SOCIAL MEDIA PLATFORM USER BEHAVIOR

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In recent years, various cases have emerged related to security information systems, security issues are an important aspect of an information system, unfortunately there are still many parties who lack sensitivity and attention to this issue. To overcome existing problems, Visualization Techniques can be a solution to describe the ratings of social media users among students at the Darmajaya Institute of Informatics and Business.

This research was carried out on the Darmajaya Informatics and Business Institute campus in Bandar Lampung, the scope of the sample and the object of this research were students from four study programs, namely the Information Systems, Informatics Engineering, Management and Accounting study programs, 10 students were taken from each study program. sample for this study. In general, students at the Darmajaya Institute of Informatics and Business use social media as a means of communication, collecting assignments and reports on community service work practices (PKPM), this can create vulnerabilities in the form of social engineering, data exploitation or fraud in the context of information system security.

The stages and tools used are Object Oriented Programming, UML is a method of visual modeling which is used as a means of designing Object Oriented systems. UML first appeared in the 1990s thanks to three software engineers, namely Grady Booch, Ivar Jacobson, and James Rumbaugh, motivated by the desire to develop the most flexible way to represent increasingly complex software development, while separating methodology and process.

The stages of this research include Unified Modeling Language, with sampling collection through qualitative and quantitative methods including library observations and observations so that it can become a Functional Requirement for the system requirements. Microsoft Power BI is a tool that can process data which can translate information into a visual context such as maps or graphs to make data easier for humans to understand. The collected data is then processed into a visual form for making conclusions.

Visualization can recommend social media platforms that are often used by Darmajaya Institute of Informatics and Business students and help students and the public to use social media platforms that are safe against social engineering for marketing or business by using platforms that do not have a high user base.

Keywords: Visualization Techniques, Social Media, Information System Security.