ABSTRACT

In this research, we explain the implementation of "Visitor Management System Using an Online Platform to Improve Visit Management at PuTI Telkom University." All activities at PuTI need to be supported by accurate data and information, as well as responsive, user-friendly, and accountable applications and information systems. However, until now, visitor registration for those wishing to come to PuTI has still been conducted manually, which is considered inefficient given the current technological advancements.

In this context, a *website*-based registration system is a very appropriate solution to address this problem. A *website* is an information medium on the internet that can be used to create a registration platform, thus providing a solution for transitioning from manual registration to *web*-based registration. This *website* has several features, such as the ability to view reports of visitors who have come to PuTI to prevent threats or issues that may arise. Additionally, there is an admin decision feature to "Accept" or "Reject" visitors whose data is incomplete or those who are suspected. The final feature is an email notification feature where visitors will receive notifications via email from PuTI to validate their visit.

Based on the results of the security testing using two testing applications, Nessus Essential showed 1 "Medium risk" and 21 "Info," while Pentest Tools reported 3-4 "Medium risk," 5 "Low risk," and 12 "Info." Regarding accessibility testing using two applications, four tests were conducted: GTMetrix scored 70%, 74%, 82%, and 90%, while Google PageSpeed Insight scored 95%, 89%, 87%, and 85%. On the other hand, the survei results for the *website*-based registration indicated that the majority rated it as very satisfying, with 47% for security, 51% for appearance, 50% for accessibility, 49% for response speed, and 54% for flexibility.

Keywords : Accessibility, Security System, PuTI, *Website*