Abstract

CV. Tamora Abadi, a private company in the automotive sector in Tanjung Morawa, North Sumatra, experienced difficulties in managing customer, transaction and goods data with a manual system that caused errors and data loss. To overcome this problem and face intense business competition, companies need a promotional system and media. This research aims to design and build a website application to optimize customer and transaction data management on the CV website. Tamora Abadi. The waterfall method was chosen for developing application websites because it has a sequential and well-structured process. The tools and programming languages chosen are in accordance with the needs of application website development, namely Visual Studio Code, MySQL, PHP, HTML, Javascript and Tailwind CSS. Risk analysis is carried out based on the ISO 27001:2022 standard to identify potential threats to information security and application operations. such as data loss and security attacks. Recommended mitigation strategies include the use of strong authentication system implementation, antivirus implementation and regular data backup. The result of this research is a website that can help CV. Tamora Abadi in managing customer data, transactions and goods as well as promotional media and a dashboard to accommodate all recommendations approved by the owner and also security risk findings in the form of Data Loss with a High risk level, Fake Orders with a medium risk level, Problems with Hosting with a medium risk level , and Incorrectly entered a medium risk level..

keywords*: *ISO 27001:2022, Information Systems Security, Tamora Abadi, Website, Waterfall.