ABSTRACT

In recent years, there has been a growing awareness of the importance of health and fitness in Indonesia, which is reflected in the growing number of people who regularly visit gyms. This phenomenon can be seen from the number of gyms in various cities in Indonesia. However, many gyms such as Fortuna Fitness still use manual systems in managing membership, registration, and class management, which potentially pose a risk of data recording errors and report inaccuracies. To overcome these problems, this study conducted system development by applying Continuous Integration and Extreme Programming (XP). The use of this method was chosen because it can help the system development process structured, and adaptive to changing needs. The use of Continuous Integration allows the code to be integrated periodically to reduce the risk of errors. In software development, Extreme Programming is useful to ensure the software produced is more responsive to changing needs with efficient development. This research produces a gym membership management information system designed to optimize the management and administration process of gym members. This research is expected to help Fortuna Fitness optimize their operations by creating a better information system.

Keywords: *Continuous Integration, Gym Membership Management, Management System*