

ABSTRACT

**DESIGN AND DEVELOPMENT OF A WEB-BASED RENTAL HOUSING SYSTEM USING
THE SCRUM METHOD
(CASE STUDY OF PURWOKERTO RENTAL HOUSING)**

By

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Purwokerto is a developing city located in the southwestern part of Central Java. Purwokerto itself is the capital of Banyumas Regency. According to data from the Higher Education Database (PDDIKTI) survey in January 2022, Purwokerto has 29 higher education institutions with a total of 59,401 registered students. Based on this data, the demand for housing or rental accommodations is increasing. According to observational data collected by the author on May 12, 2022, through a Google Form, 13 out of 20 people in Purwokerto face difficulties in finding housing or rental accommodations, indicating the need for a system that can simplify the search for housing or rental accommodations. One solution to address this issue is to create a web-based system. A website can be used as a medium for marketing, information, education, communication, and promotion. Websites are also an ideal medium for introducing various potentials and advantages of products to the wider community. In this research, the author uses the agile software development method, specifically Scrum, as the method for system development. The main objective of this research is to design and develop a web-based rental housing system using the Scrum method.

Keywords: Scrum, Website, Rental Housing