

***Design and Manufacture of a Website-Based Drug Redemption System at The
Rsia Muhammadiyah Pharmacy Installation in Probolinggo City***

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ABSTRACT

The long waiting time is due to the large number of prescriptions that must be served by the staff, the writing of the prescription is unclear and incomplete (for example: dose, amount, and patient name) so that the pharmacy staff must confirm it first with the doctor who wrote the prescription, this is because Doctors' knowledge of the availability of medicines is not well confirmed and doctors write prescriptions for medicines that are difficult for staff and patients to understand if they want to redeem medicines again. To overcome this problem, a drug redemption information system is needed. The research method used is research and development with data collection through interviews, observation and documentation. The development method used is waterfall by pressman which consists of the stages of system requirements analysis, system design, coding and testing. The analysis stage is the analysis of problems and needs in creating the system. The system design stage produces an interface design, system flowchart, DFD, and ERD. The coding stage uses the PHP programming language, HTML Bootstrap, Codeignitor, and Laragon. The testing phase uses a black box to assess the functionality of the resulting system. This research produces a website-based drug redemption information system at the RSIA Muhammadiyah pharmacy installation in Probolinggo City which has advantages including redeeming medication electronically using a prescription given by a doctor, medication redemption can be done anywhere and then you can choose to pick it up at the hospital or have it delivered. home, chat with pharmacists in real time which aims to make it easier for patients to ask questions about medicines, and electronic prescriptions to reduce prescriptions that are difficult to read..

Keywords: *Drug Redemption, Information System, Medicine*