

**MOBILE-BASED DENTAL APPLICATION FOR OPTIMAL
RESERVATION CONTROL
(CASE STUDY: HDC AESTHETIC DENTAL CLINIC
TEMANGGUNG)**

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ABSTRACT

HDC Aesthetic Dental Care Clinic is a dental health clinic that provides dental care and repairs. Dental clinics can help solve problems experienced by the community. However, many services at dental clinics are ineffective and inefficient. The service process at the clinic, especially in the reservation section, still often experiences problems. A lot of patient data is incorrect and data loss often occurs. So we need a system that is easy to use to help with the reservation process. Based on the problems that have been described, a system is needed that utilizes information technology and wireless technology, namely a mobile-based application developed with the Dart programming language and using the Flutter framework. The database used is MySQL. The web application provided for admins was created using the PHP programming language and the Laravel framework. This application has several features that are useful for patients and doctors. The reservation process can also be managed well.

Keywords: Dental Clinic, Mobile Application, Dart, Flutter, MySQL, PHP, Laravel.