

ABSTRACT

Muhammad Raihan Gunawan. 10121898

DEVELOPMENT OF *GYM* MANAGEMENT *WEBSITE* AT MASTERGYM USING NEXT.JS AND SUPABASE

Scientific Writing. Information Systems. Faculty of Computer Science and Information Technology. Gunadarma University. 2026.

Keywords : *Gym*, Information, Management, Next.js, Supabase, *Website*.

(xiii + 66 + Attachment)

This research aims to design and build a *Gym* management *Website* at MasterGym to overcome the limitations of manual *Member* data management. The System was developed using the RAD method, utilizing the Next.js *Framework* and Supabase Database. Key features developed include *Online Member* registration, training package management, an Admin *Dashboard* for payment Validation, and an automatic digital *Member* card generation feature. Testing was conducted using *Black Box Testing*, which demonstrated that all functions operate correctly, and *User Acceptance Test* (UAT), which yielded a "Strongly Agree" response from *Users*. The final outcome of this research is a *Web* application accessible via <https://masterGym.my.id>, which has been proven to improve Administrative efficiency and service quality at MasterGym.

References (2020 – 2025)