

## ABSTRACT

*The Quran is the holy book of Islam, serving as both the source of religious teachings and a guide for life. Allah SWT revealed it to Prophet Muhammad SAW with the instruction to recite it according to the rules of Tajweed, as stated in Surah Al-Muzzammil 73:4. In the digital age, technology has transformed the way people access information, including fourth-grade students at SDN 1 Cilaja, who face difficulties in understanding the science of Quranic recitation (Tilawah) due to limited time in Islamic Education (PAI) classes. This study aims to design and develop the MarbelQu application, a web-based tool to support Quranic recitation learning for fourth-grade students at SDN 1 Cilaja. The research employs the Waterfall model in Research and Development (RnD). The Waterfall method consists of several stages: Requirement (needs gathering), Design, Implementation, Verification, and Maintenance. The MarbelQu application developed through this method was tested by various experts, including Media Experts, Tajweed Experts, Nagham/Tilawah Experts, and users. The test results show that this application is highly suitable for use, with evaluations ranging from 82% to 86% from experts and users.*

**Keywords:** *website application, Quran, Tajweed, Nagham, Tilawah.*

## ABSTRAK

Al Quran adalah kitab suci umat Islam yang menjadi sumber ajaran agama dan pedoman hidup. Allah SWT menurunkannya kepada Nabi Muhammad SAW dengan perintah membacanya sesuai Ilmu Tajwid, sebagaimana tercantum dalam QS. Al-Muzzammil 73:4. Di era digital, teknologi mengubah cara masyarakat mengakses informasi, termasuk siswa kelas IV di SDN 1 Cilaja, yang mengalami kesulitan memahami ilmu Tilawah Al Quran karena keterbatasan waktu dalam mata pelajaran Pendidikan Agama Islam (PAI). Penelitian ini bertujuan merancang dan membangun Aplikasi MarbelQu berbasis website sebagai penunjang pembelajaran Tilawah Al Quran bagi siswa kelas IV di SDN 1 Cilaja. Penelitian ini menggunakan metode Waterfall dalam Research and Development (RnD). Metode Waterfall terdiri dari beberapa tahap: Requirement (pengumpulan kebutuhan), Design (perancangan), Implementation (implementasi), Verification (verifikasi), dan Maintenance (pemeliharaan). Aplikasi MarbelQu yang dikembangkan melalui metode ini diuji oleh berbagai ahli, termasuk Ahli Media, Ahli Tajwid, Ahli Naghham/Tilawah, serta pengguna. Hasil uji menunjukkan bahwa aplikasi ini sangat layak digunakan dengan penilaian berkisar antara 82% hingga 86% dari para ahli dan pengguna.

**Kata Kunci:** *aplikasi website, al Quran, tajwid, naghham, tilawah.*