

## **ABSTRACT**

### **DESIGNING A PROTOTYPE OF AN AQUASCAPE PLANT CARE APPLICATION**

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*The rapidly advancing technology has significantly impacted the ease of accessing information, including in the field of aquascape plant care. This easy access to information makes it easier for aquascape hobbyists to maintain their plants. This study aims to describe the design of a user interface for an aquascape plant care application that can assist hobbyists in maintaining the balance of their aquarium ecosystems. The results of this research are expected to provide an effective solution for aquascape hobbyists, as well as improve understanding of proper aquascape plant care. This research uses a qualitative descriptive method with data collection through observation, interviews, questionnaires, and literature studies. The collected data is then analyzed using design thinking theory and comparison matrices, focusing on application design, user interface, and User Experience. This study is essential for designing an application that can provide a suitable solution for maintaining aquascape plants.*

**Keywords:** *Application Design, Design Thinking, User Interface, User Experience, Aquascape, Aquatic Plants.*