ABSTRACT

This study aims to design an appreciation medal made from recycled plastic for hikers participating in the "Operasi Bersih Gunung" (Mountain Clean-Up Operation) in the Mount Gede Pangrango National Park area. The medal is expected not only to serve as a symbolic reward but also as a medium for promoting environmental awareness and as a solution to the waste problem generated during hiking activities. The research method used is Research and Development (R&D), which consists of the following stages: Research and Information Collecting, Planning, Develop Preliminary Form of Product, Preliminary Field Testing, Main Product Revision, and Main Field Testing. In the Research and Information Collecting stage, data were gathered through field observations, interviews, and questionnaires distributed to hikers and Opsih volunteers. The Planning stage involved analyzing the data to identify the needs, problems, and expectations of stakeholders. In the Develop Preliminary Form of Product stage, design sketches of the medal were created. During the Preliminary Field Testing stage, selected sketches were turned into 3D models and prototypes using recycled plastic and 3D printing technology. In the Main Product Revision stage, the medal design was improved. Finally, in the Main Field Testing stage, the prototype was tested to ensure that the medal is not only visually appealing but also carries strong meaning for its recipients. The results show that the recycled plastic medal received positive responses from hikers, who regarded the medal as highly symbolic and effective in raising awareness about environmental conservation. These findings led to the creation of a more sustainable reward solution for the Opsih program.

Keywords*: Appreciation Medal, Recycled Plastic, Mountain Clean-Up Operation.*