

ABSTRACT

Cardboard is a tool used as a container or protector of a product. Cardboard waste ranks fourth in the largest composition of waste by type. One of the efforts to reduce the increase in waste is to recycle cardboard waste. Cardboard waste is recycled into a material in the form of cardboard pulp which is then used as an alternative planting medium by applying exploration techniques and the SCAMPER method. The exploration was carried out by mixing cardboard pulp with existing alternative media. The stages carried out in the exploration process are the selection stage, the preparation stage, the pre-test stage, the treatment stage, and the post-test stage. Each exploration was carried out validation tests by observing the growth of wheat grass plants. The results of the validation test will determine which exploration the plant growth process is successful according to the vegetative growth phase at the budding stage or seedling stage.

Keywords: *Cardboard, Waste Processing, Plants, Planting Media.*