

## ABSTRACT

The purpose of this research is to determine which color is most effective in accelerating the growth of mung bean seed sprouts and the interaction with the growth of mung bean seed sprouts. This research will be conducted at the Mini Laboratory of Seed Research Team, Kuta Blang Village, Banda Sakti District, Lhokseumawe City and Agroecotechnology Laboratory of Faculty of Agriculture, Reuleut Village, Muara Batu District, North Aceh Regency. The implementation time of this research was conducted in January 2024. This study used an experimental method with a Split Plot Design consisting of 3 replications so that there were 36 experimental units. The main factor is the treatment of light color, namely white light (W1), red light (W2), blue light (W3), and yellow light (W4). The second factor is tissue media treatment, namely napkin tissue (M1), towel tissue (M2) and facial tissue (M3). The results showed that different light color treatments had a significant effect on all viability and vigor benchmarks as well as the growth rate of mung bean seeds. The best treatment was found in the provision of yellow light. Different seedling media treatments gave a significant effect on the benchmarks of mung bean seed growth rate. The best treatment was found in napkin tissue media. There is a significant interaction on all benchmarks of viability and vigor and growth rate of mung bean seeds. The best treatment is found in the seeding of napkin tissue media with yellow light.

**Keywords:** *Seeds, Lamplight, Wipes*