

## V. CONCLUSION AND SUGGESTION

### 5.1 Conclusions

Based on the research that has been done on *in vitro* propagation of singgalang cabbage (*Brassica oleracea* var. *capitata* L.) on modification of Murashige and Skoog (MS) media for preservation purposes, the following conclusions are obtained:

1. The use of MS media with the addition of 2 BAP significantly enhances shoot initiation, resulting in increased numbers of shoots and leaves in Singgalang cabbage.
2. MS modified media did not show a significant effect on root induction and growth, which was significantly in MS 1/8 and plantlet can be preserved for 12 weeks in these treatments media.

### 5.2 Suggestions

Based on the research that has been done, it is recommended to :

1. Further research needs to be conducted on modifying media with minimal growth and the incorporation of retardants. This is aimed at slowing down plant growth, allowing for prolonged storage.
2. In future research, it will be essential to regulate the storage environment of explants to ensure their sustained longevity.