

## V. CONCLUSION AND SUGGESTION

### A. Conclusion

Based on the results of the study, it can be concluded that :

1. The radiosensitivity of in vitro shoots of *Acorus calamus* was observed at 58,8 Gy
2. Gamma irradiation significantly affects the in vitro growth of *A. calamus*, affecting shoots, leaves, and roots. Among these, the root appears to be the most sensitive organ to irradiation.

### B. Suggestion

Further research is essential to analyze the putative mutants obtained in this study using molecular techniques for the identification and screening of mutants of *A. calamus*.

