

V. CONCLUSION AND SUGGESTION

5.1. Conclusion

Based on the research that has been carried out, it can be concluded as follows:

1. TDZ showed a significant effect on shoot height, number of shoots produce leaf, number of leaves, number of shoots produce root, and root length parameters.
2. BAP showed no significant effect on all observed parameters.
3. The combination of TDZ and BAP showed no significant effect on all observed parameters.

5.2. Suggestion

Based on the research that has been carried out, several treatments still had no significant effect on some parameters of *C. sumatrana* shoot multiplication. Further research may consider cutting meristematic explants into more than two sections to stimulate more optimal shoot formation. Radial cutting by removing the main shoot apex is also recommended, as eliminating the apical dominance can help evaluate how effectively single or combined cytokinin treatments initiate and multiply shoots. In addition, the use of TDZ as a single cytokinin treatment is advised to obtain more precise information on its specific growth response.