

## V. CONCLUSIONS AND SUGGESTIONS

### 5.1 Conclusions

The conclusions of this research are as follows:

1. Based on seed germination aspect, there was no significant difference in each treatment ( $p > 0.05$ ).
2. The amount of biomass there was significant difference in each treatment ( $p < 0.05$ ), aboveground organ biomass MB treatment the highest biomass value was 3.60 gr and The amount of biomass in underground organs MB treatment (3.61g) it has a higher level of effectiveness.
3. Soil nitrogen content after planting LCC species *Mucuna bracteta* (MB) and *Centrosema pubescens* (CP) increased from the low category (0.10-0.20%) to the medium category (0.21-0.50%).

### 5.2 Suggestions

The suggestions from this research are as follows:

From this study it is suggested recommended species *mucuna bracteata* (MB) can be used by oil palm plantation PT to increase the fertility of oil palm soils and to that the next researcher can be able to analyze the impact of LCC species in reducing the rate of erosion and the ability of LCC species to inhibit weed growth in oil palm plantations in the Dharmasraya Regency by using the recommended species, that is the *Mucuna bracteta* (MB) species.

