BAB V. CONCLUSION AND SUGGESTION

5.1 Conclusion

According to the research that has been conducted, it can be concluded that :

1. *Bacillus subtilis* and *Trichoderma harzianum* in the biopriming significantly affected the maximum growth potential and germination of rice variety Anak Daro. Whereas, the soaking duration significantly affected the maximum growth potential and vigor index. The interaction between soaking duration and biopriming agents significantly affected maximum growth potential and germination but did not significantly affect the vigour index of rice variety Anak Daro.
2. Viability of *Bacillus subtilis* and *Trichoderma harzianum* increased in biopriming with 24 hours and 48 hours soaking duration but *Trichoderma harzianum* did not increase at 72 hours soaking duration.
3. The inhibition of *Magnaphorte oryzae* by *Trichoderma harzianum* was 50.63%, 57.59%, and 56.32% which was categorized as high and *Bacillus subtilis* was 28.48%, 32.27%, and 31.01% which was categorized as medium.

5.2 Suggestion

According to the research, the biopriming of rice varieties Anak Daro is better conducted with 48 hours of soaking duration using *Bacillus subtilis*.