

## CHAPTER 5 CONCLUSION

### A. Conclusion

The result of study explained that and also not interaction between WD and varieties showed on growth stage of rice (tiller height, number of tiller, number of leaf). However, on data of leaf length at 58 DAP showed significant difference ( $P=0.017$ ), which the highest rate is 59.13 cm of D4V2 and 44.42 cm is the lowest rate of D0V1; all of growth rate of leaf was obtained increase WD it is mean leaf length increase to compete about light and  $CO_2$  for photosynthesis.

Beside the growth of rice, harvest data also are not significant different of statistical in interactive between WD and varieties rice, but it has different in data. Especially, the number of panicle of V3 at treatment D0 is 6.25 per pot but it reduce at treatment D4 4.5 panicle per pot; at data of filled also show V3 is sensitive with weed densities more than the others varieties (D0V3=620.5; D4V3=438) and also is the best result. In addition, the measurement of 1000 weight of rice grain (30.96 g) and total weight per pot (20.01 g) showed D0V3 is weight more than the others treatment; within D4V4 was obtained lowest of W1000 (19.26 g) and the lowest of Wt is D1V1 (5.25 g). In short, V3 showed the best data of harvest and medium of growth data.

In addition, the study explain in each treatment of weed not impact on growth stage of rice; but it is have an impact on harvest value (W1000, Wt, FG, UFG), due to increasing WD (non - weed to four weeds per pot) the yield of rice reducing too which D2 and D4 are more effective on growth and yield of rice, however it was non – significant.

All the measurements of harvest showed significant differences among groups of varieties rice, while variation due to interaction between WD and variety was not significant. And it is same case for the measurement about growth rate of interaction between WD and varieties rice in the study.

The extent of crop loss caused by weeds depends on several factors that include species of weeds present, density of weeds and crop, duration of weed-crop association, and growth and distribution of weeds.

### B. Suggestion

The study in greenhouse with all factor were on controlling condition and the area to do the study is in pot, that not enough space to see accurate how WD effect on varieties rice. It is better than keep the study in the paddy field which include the factors from environment and attack from pets or protect from enemies from nature environment. And using more level of WD and control the time when weedy or weeded in field.