

V. CONCLUSION AND SUGGESTION

A. Conclusion

Conclusions derived from this study are:

1. Soybean var. Demas 1, Slamet, Malika, and Deja 2 do not contain the SCAR QS08064 marker.
2. Soybean var. Demas 1, Slamet, Malika, and Deja 2 experience reduction in plant height, stem diameter, and number of leaves which give rise to loss of seed weight due to saline condition.
3. Among four varieties tested in this study, Malika tends to show better yield under saline condition by having the lowest seed reduction.

B. Suggestion

Further study using polyacrylamide gel needs to be conducted to examine the type of InDel QS080465 allele owned by the four varieties. In addition its also useful to test the presence of other salinity related marker with higher selection efficiency.

