

TABLE V
RELATIONSHIP BETWEEN RAINFALL AND COMPONENTS OF OIL PALM PRODUCTION IN SANDY SOIL

Component of production	Regression equation	Prob.5%
Fresh fruit bunch weight	$Y = 13.326 + 0.18105 \log X$	Significant
Fresh fruit bunch number	$Y = 1.038 + 0.00021 \log X$	Significant
Yield	$Y = 1.8949 + 0.00047 \log X$	Significant

Empty fruit bunch management and vegetation resulted a variety of benefits. This source of organic material is part of the scheme for anticipating the adverse effects of climate change and the substitution of inorganic fertilisers. The results of this study provide preliminary information on the prospect of *N. bisserata* as part of the sandy soil management.

IV. CONCLUSION

Oil palm production was determined by the amount and weight of the FFB affected by rainfall. Rainfall strongly influences the amount of FFB in sandy soil plantation. The FFB amount is affected by the determination of sex as influenced by rainfall a few months earlier, especially in the presence of a dry month. Conversely, the weight of FFB is affected by the rainfall during the growth and development of the bunches. The weight and number of FFB show different response patterns to rainfall fluctuations. The application of EFB and the management of *Nephrolepis bisserata* vegetation can reduce the negative impacts caused by drought and increase palm oil production (15%). Such application can increase soil organic matter content and improved soil water holding capacity.

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