

CHAPTER 5

CONCLUSION

5.1 Conclusion

In this research, the cocopeat briquettes were manufactured by using the Mechanical Thermal Expression Method, and the mechanical characteristics of cocopeat briquettes were investigated by using compression test and drop test, then the following conclusion were obtained:

- Briquetting by using the Mechanical Thermal Expression method can eliminated the water as 81.44%. The moisture content of cocopeat briquettes after MTE process as 20.54%, and after 7 days relaxation time (Open storage) as 13%.
- Compressive strength and drop strength (impact resistance) influenced by the briquettes density and the moisture content of briquettes. High density and low moisture content will increase the quality of cocopeat briquettes strength. Then, the density and the moisture content influenced by the briquetting parameters. Set the briquetting parameters based on the standard to make the best quality of briquettes.

