

CHAPTER V

CONCLUSION

5.1 Conclusion

A test has been conducted to determine the impact of biofilter reactor nitrification debit. From this data collection can be concluded as follows:

1. The nitrification process in the biofilter reactor has an effect on the test material debit of 2 lt / min and the air debit is 15 lt / min.
2. The thermal characteristics arising from the biofilter reactors is that temperature increase 2 to 3 °C and the most changing the mechanical properties are at level 2 and level 3. The temperature can reach until 31°C.

5.2 Suggestion

For subsequent research should be conducted research on how the influence of the debit of test materials and air debit to the mechanical characteristics of denitrification of biofilter reactor.

