

CHAPTER V

CONCLUSION

5.1. Conclusion

In this study, the conclusion which can get from this research are:

1. After the research of testing the wind turbine model with magnus effect in wind tunnel, there has a constantly increase result influence by the diameter of cup and wind velocity.
2. From the research with wind turbin magnus effect, there have a constant result where if the blade diameter of cup and the wind velocity increase, the result of coefficient power (C_p) and tip speed ratio (tsr) also increase.
3. Lift force at wind turbine with magnus effect get the constant result with wind turbine blade rotation.
4. Wind turbine blade rotation are influence the wind turbine shaft rotation and has a constant relation where if the wind turbine blade rotation increase, the wind turbine shaft rotation also increase

5.2. Suggestion

To get a good result for a next research, there are some recommendation :

1. Use a light material
2. Decrease the dimation of the wind turbine blade to get the best lift force.

Used a large surface area of the turbine blades to get a large lift force.

