

CHAPTER V

CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

There are conclusions based on the research :

1. The investment casting method successfully become one of the coating method of Hydroxyapatite coating to produce an implant material. This process must be finished with Sintering process which is the optimum temperature is on 900°C.
2. The increasing temperature on Sintering process is not related with Thickness of Hydroxyapatite coated on the specimen. But, it is related with the purity of Hydroxyapatite coated and The hardness number to the implant material produced.

5.2 Recommendations

For the next research recommendation is to produce the screw shape in implant material with Investment Casting, and use the dipping method rather than pouring method to produce a better surface of Hydroxyapatite coated on Stainless Steel.

