

## **CHAPTER 6**

### **FUTURE WORK**

From this research, the future studies will be possibly carried out as follows:

1. Increase the utilization of rice husk by producing other types of zeolite using RHA as silica source.
2. To reduce the cost of production and environment pollutant, the optimum condition for the synthesis of ZSM-5 without organic template will be established.
3. Producing ZSM-5 in a large scale using a large volume autoclave.
4. In order to investigate the efficiency of the prepared  $\text{TiO}_2$  powder and  $\text{TiO}_2/\text{ZSM-5}$  composite, the photocatalytic activity of these catalysts will be studied through the decolourization of other dyes in aqueous solution.