



CHAPTER V CONCLUSIONS

5.1 Conclusions

Polybenzoxazine was successfully used as organic precursors to prepare carbon aerogels with a well-developed and controlled micro- and mesoporosity, a narrow mesopore size distribution and a large surface area. The performance of carbon aerogel as a catalyst support on the adsorption of 4-CP, using Pt as a catalyst, was remarkably decrease of 4-CP within 15 min with the final concentration of 7%. The efficiency of 4-CP adsorption of BA-teta derived carbon aerogel, BA-a derived carbon aerogel, and P-eda derived carbon foam synthesized from different types of polybenzoxazine used as organic precursors was not different.