

## CHAPTER 6

### RECOMMENDATIONS FOR FURTURE WORK

Based on the results of this study, some recommendations for further studies can be proposed.

1. As stated previously, the correlation between UV-254 and other surrogate parameters for NOMs were poor correlation ( $R^2 < 0.5$ ) that disagreement with others' studies. Thus, effect of PACl coagulation on UV-254 should be carried out.

2. In this study, THMs and THMFP were investigated during winter season and the beginning of summer season. Thus, the comparisons of THM and THMFP in different seasons are interesting for further study.

3. Due to high THMFP were observed in raw water, this indicated that other chlorinated DBPs in term of HAAs, HANs and cyanogen halides may be formed, thus, these chlorinated DBPs should be study.

4. Comparison between PACl and other coagulants such as alum and ferric chloride should be developed so that efficiency and cost can be estimated.