## VII RECOMMENDATION FOR FUTURE WORK

The present study has shown that tube-clarification using corrugated sheet has been found effectively in treating raw water and operating at short detention time. For future research, the following studies are recommended.

1. Published literature shows that increased in influent turbidity will increase in percentage of turbidity removal. The effect of influent turbidity should be studied at over a wide range. Turbidity removal is enhanced in the tube settler by the astablishment of sludge blanket. The behavior of the sludge blanket at different levels of turbidity should be investigated.

2. Percentage of turbidity removal can be improved by using poly-electrolytes as coagalant aid. Different dosage and kind of polyelectro-lytes should be tested to evaluate their influence on settler removal efficiency and the possibility of adopting higher flow rates.

3. For industrial waste of high concentration of suspended solid primary sedimentation unit can be replaced effectively by tube settler. Therefore research should be conducted to evaluate the performance of inclined tube settler as a primary clarifier for various kinds of indus-trial waste.

4. For the extended areation processes, oxidation ditch is one of the low cost waste water treatment process which in the future may be estensively used in Thailand. Secondary sedimentation tank of this process may be eliminated by installing tube clarification unit in the ditch. Therefore, research should be conducted to evaluate the performance of the inclined tube-settlers as secondary clarifier located within the oxidation ditch.

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