

CHAPTER VII

RECOMMENDATION FOR FUTUER

Semiconductor photocatalysis by TiO_2 appears to be a promising technology eliminate dyes from waste water in textile finishing industry. Because of this process has effect to eliminate azo dyes. In addition, this process can complete mineralization of all studied azo dyes, the water after treatment disappear aromatic amines which may be carcinogen. However, this experiment did not work with waste water from textile finishing industry which has many substances in water. Those substances may effect degradation rate and formation of final products of this process. In future study should be study in :

1. Photocatalytic degradation with TiO_2 on other dyes,
2. Photocatalytic degradation with TiO_2 on color waste water,
3. Photocatalytic degradation with difference catalyst on dyes.

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