

FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
DEPARTMENT OF BUILDING SURVEYING

WATER TREATMENT
CONVENTIONAL TREATMENT AGAINST DISSOLVED AIR
FLOTATION (DAF)

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ABSTRACT

From outer space, the earth looks like a "blue" planet because most of its surface is covered by water. But only 2.5 percent of that water is fresh and clean.¹ Fresh water can be used for human needs.

" Water, water everywhere, nor any drop to drink".²

The expression above shows that clean or treated water has an important element in our life for various purposes. However, the main function of water is for drinking and for everyday use. In order to produce clean water, an appropriate water treatment plant is compulsory to overcome the problems.

The purpose or aim of this dissertation is to introduce about water treatment. Although it make wise to us everyday, but we are still did not aware of its role. Water treatment role is equal to the development nowadays.

There are many types of water treatment plant available such conventional treatment, dissolved air flotation, direct in-line filtration

¹ Water day 2001, Water for health (World Health Organization, 1999).

² Expression from the Ancien Mariner S.T. Coleridge (1772 – 1834).

and continuous micro filtration. For the purpose of this dissertation, only two types of water treatment have been chosen for more information and more detail. The process chosen are conventional treatment and dissolved air floatation (DAF). From this dissertation, it will explore and study deeply into the related matter about water treatment.

All of the study and observation that made is overcome to the finding and conclusion. From the analysis, the better system of water treatment is gained. From this information, planning for the future can be made to make sure it is always up to date.

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