

## CHAPTER VIII

### RECOMMENDATIONS FOR FUTURE WORK

Since the scope of works in this research is covering on many aspects such as the characteristic of the water, the quantity of the water being used, the treatment **system of the washed** water and also including the economical considerations. Therefore, this experiment has been performed according to the removal efficiency of the system in the most important and essential aspects of water quality. Nevertheless, before applying the using of the Reclamation System, the study of the chemical property of the substances presented in the water which is affected the automobile-wash purpose, if any, should be firstly recommended. This study should also aim at the determination of the removal efficiency of the system in those particular aspects of water quality.

In order that the new development, the "Reclamation System", can be put to use successfully, a number of further studies are recommended as follows:

1. The "hourly" washwater consumption determination should be attempted. This will help the design of filter size to be more accurate.
2. The effects of burnt rice husk on the used wash-water should be studied in order to find out whether it will aggravate the quality of the effluent or not. In such a case, detailed studies on physical, chemical and biological actions in burnt rice husk must be carried out so that unfavourable effects can be controlled and hence the filter performance be improved.
3. A pilot-plant-scale study should be attempted in order to verify the results obtained from the experimental-

scale study, and to obtain a more accurate economic factors. It will also provide a guide-line in determining a minimum of operation difficulties.

4. The economic advantages of the Reclamation System should be evaluated against the existing systems if the materials of construction are changed. For example, if a galvanized iron tank is used in place of a concrete tank, how much reduction in unit production cost will result.

Lastly, apart from the Reclamation System by means of filtration process making use of burnt rice husk as a filter medium, further study is suggested on other process of Reclamation System. The comparisons of efficiency, cost and benefit, advantages and disadvantages etc., between such processes and the filtration process should be made accordingly.