

Thesis Title A Comparative Study on Management
Efficiency of Village Water Supply
Systems under Responsibility of
Provincial Administrative Organizations
and Rural Water Supply Development
Funds Committee in the North Eastern

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ABSTRACT

This research was aimed at comparing the efficiency of the village water supply systems operated the Provincial Administrative Organizations and by the Village Development Funds Committee in the North East Region of the country.

A total of 26 out of 112 water-supply units in the region were randomly selected for the study consisting of 16 artesian units and 10 rapid filter units. This same fraction of water supply units, 16 and 10 were also chosen from 80 units of the Provincial Administrative Organizations and 32 units of the Village Development

Funds Committee respectively. Comparison on various aspects of management efficiency was made from data collected by direct interview of 31 unit operators and 390 water consumers as well as existing secondary data.

It was found that the personnel management in terms of personnel selection, personnel competence, number of staff and morale of personnel, the Village Development Funds Committee operated more efficiently than the Provincial Administrative Organizations. ($P < 0.01$)

The same as the financial management based on water charges, income, expenditure, financial system, accounting, including profit and profit utilization, the Village Development Funds committee managed more efficiently than the Provincial Administrative Organizations. ($P < 0.01$)

The costs of water production incurred by the Village Development Funds Committee was ranged from 2.15 to 2.58 baht per cu.m. which was lower than the costs of water production incurred by the Provincial Administrative Organizations, about 4.55 to 8.62 baht per cu.m.

The store management based on inspection of materials and equipment, economy of materials and equipment, including storage, maintenance, time consumed in maintenance as well as time period of processing materials for maintenance, the Village Development Funds Committee was also found to be more efficiently than the Provincial Administrative Organizations. ($P = 0.02$)

Regarding management of the unit operators and consumers, it was found that the Village Development Funds Committee operated more efficiently than the Provincial Administrative Organizations ($P < 0.01$) in relation to regulations for water consumers, water quality improvements, consumers satisfaction and community participation.