

Pemakaian program dinamik dalam pengelolaan dan pengoprasian sumber daya air

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20437629&lokasi=lokal>

Abstrak

One of the attempts to optimize the usage of water resources particularly in creating the enrgy is through optimizing the maintenance of the dam. Optimization policy can be conducted by estimating water volume of the dam in terms of the time and space function that can give highest usage value. One of the optimization techniques that can be implemented is Bellman Dynamic Program. This technique simplifies the operational problem of the dam by divided into step by step solution. The optimation result of the maintenance of Saguling Dam with Bellman Dynamic Program brings more profit which is 20.6% higher than maintenance with constant debit. The added profit can be achieved under fluctuated electricity rate.