

CHAPTER VI

CONCLUSIONS AND SUGGESTIONS

6.1 Conclusions

From the results of the analysis of clean water needs of the Driyorejo subdistrict from the reservoir Water Company (PDAM) GiriTirta Gresik can be concluded:

1. The calculation results of growth of Driyorejo subdistrict 2023 is 120024 people
2. The calculation of total active customers in the district PDAM Driyorejo Year 2023 as much as 141396 SR.
3. The calculation of water demand in Driyorejo Year 2023, which is based on the population, has received a maximum water supply of 157.99 lt/dt and water consumption at peak hours 164.86 lt/dt. Whereas according to each type of customer 2023 produce maximum water demand 984.47 lt/dt and water consumption atpeakttime 1027.27 Lt. Dt. So, the scope of GiriTirta PDAM service in Year 2023 reached 38.15% so that service coverage is still below national standard.
4. Calculationresults of the needs of reservoir capacity and based on the number of connections Year 2023 reservoir needs 16756 m³ so lack of the need of reservoir capacity is 16256 m³ and the need for reservoir capacity based on the population of 2023 is 5689 m³ and lack ofthe need for reservoir capacity is 5189 m³
5. Electrical cost calculation result Year 2023 increased from Rp. 470074622
6. From the analysis results of the Year 2023 cost prediction to reduce the amount of Rp. 267,412,835,776

6.2 Suggestions

1. The PDAM of GiriTirta subdistrict Driyorejo better recount the need in real through the increasing number of residents of the district of Driyorejo Gresik.
2. PDAM GiriTirta, Driyorejo Subdistrict, it is better to conduct a review of the reservoir capacity in PDAM GiriTirta, Driyorejo Gresik Subdistrict so that it can predict the increase in the need for clean water according to population and number of active customers.
3. Should increase water capacity to meet production needs optimally for 24 hours.

CLOSING

Thus the Final Task Report on the Analysis of water demand for Driyorejo Sub-District from municipal water supplied Company (PDAM) of Giri Tirta reservoir Driyorejo Gresik has been completed.

So what I have written and calculated can be useful and beneficial both in college and in the field. The writing realizes that this Final Project Report is far from perfect and there are still many shortcomings, therefore the writer really expects criticism and suggestions to be more advanced in the future.

Finally, the writing expects that the Final Project Report will be useful for everyone.