

Water quality prediction in Lake Toba using Extreme Learning Machine

Romi Fadillah Rahmat, Eric Suwarno, Maya Silvi Lydia

Faculty of Computer Science and Information Technology
University of Sumatera Utara
Medan, Indonesia

E-mail: romifadillah@usu.ac.id, 121402071.es@gmail.com, maya2@usu.ac.id

Abstract—A research conducted by Haro *et al.* [1] shows that the water quality level measured in the water resource of Lake Toba varies from good and moderate level, which indicates that water pollution was detected in Lake Toba.

Index Terms—artificial neural network, water quality, prediction, extreme learning machine (ELM).

I. INTRODUCTION

According to the research done by Haro *et al.* [1], the quality of water resource measured in Lake Toba, varies from good to moderate level. This condition indicated that water pollution was detected in Lake Toba. Residential activity and industrial activity, which were observed at the coastal areas, are defined as the main source of water pollution in Lake Toba.

II. CONCLUSION

The conclusion goes here.

REFERENCES

- [1] D. Haro, Y. Djayus and Z. Harahap, "Kondisi Kualitas Air Danau Toba di Kecamatan Haranggaol Horison Kabupaten Simalungun Sumatera Utara", *AQUACOASTMARINE*, vol. 1, no. 1, 2013.