

Interactive comment on “Modelling the potable water quality in a distribution network based on the hydraulic conditions” by Jani Tomperi

Anonymous Referee #1

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The manuscript claims to present a method to predict water quality solely by applying a data-based multilinear regression model on flow and pressure measurements of a real drinking water distribution system. It does not contain any data or figures that indicate that the method works. It is even hard to judge if the case study area exists, since the only figure is a rather abstract sketch of the measurement locations, nor if it was applied on data from a real distribution network. Furthermore, the methodology is not described in such a way that allows to repeat the experiments on other case study areas. From my perspective, it is even questionable, if a multilinear regression model is suitable for the tasks claimed in this paper, e.g., the author does not mention how he would treat the multicollinearity problem arising from highly correlated pressure and flow measurements. In conclusion, the reviewer could not recommend the manuscript

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for publication in DWES since it does not fulfil scientific standards at all.

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