

Image 6. Vertical cross-section concentration

4. Conclusions –

The wind friction model shows water level is not changes much, and top leyer is accelerated much smaller by the wind. One might be conclude that the wind speed model with density stratification is most effective model to provide better scenarios.

5. References

- [1] S. Luyiga *et al.*, “How water exchange and seasonality affect the eutrophication of Murchison Bay, Lake Victoria,” *Limnologica*, vol. 53, pp. 60–73, 2015.
- [2] J. Kyambadde, F. Kansiime, and G. Dalhammar, “Nitrogen and phosphorus removal in substrate-free pilot constructed wetlands with horizontal surface flow in Uganda,” *Water. Air. Soil Pollut.*, vol. 165, no. 1–4, pp. 37–59, 2005.
- [3] R. Oyoo, “Deteriorating Water Quality in the Lake Victoria Inner Murchison Bay and its impact on the drinking water supply for Kampala, Uganda,” *13th World Lake Conf.*, 2009.