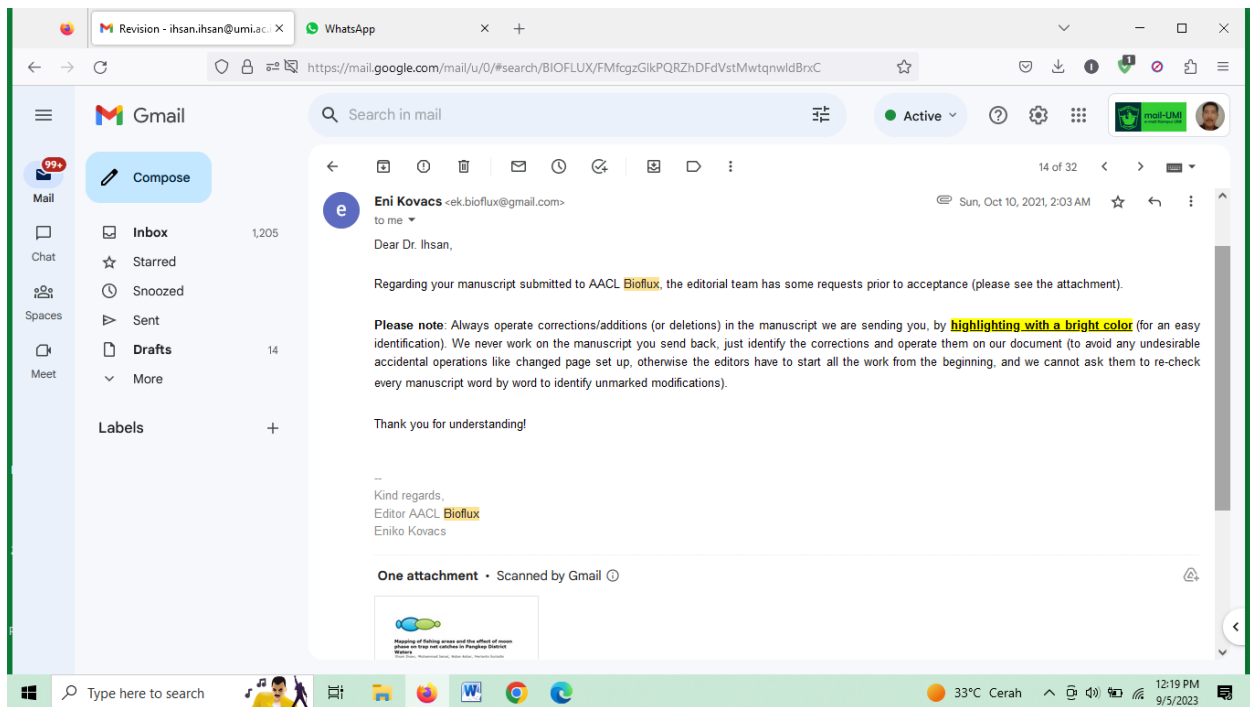
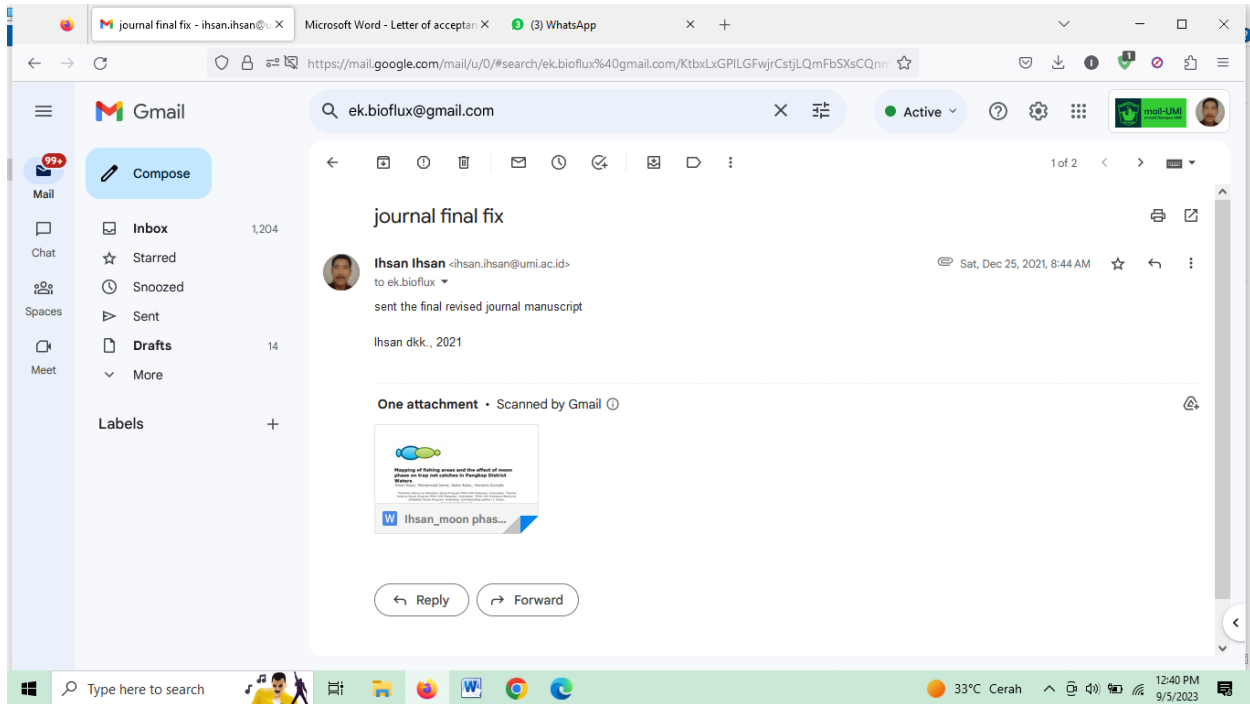
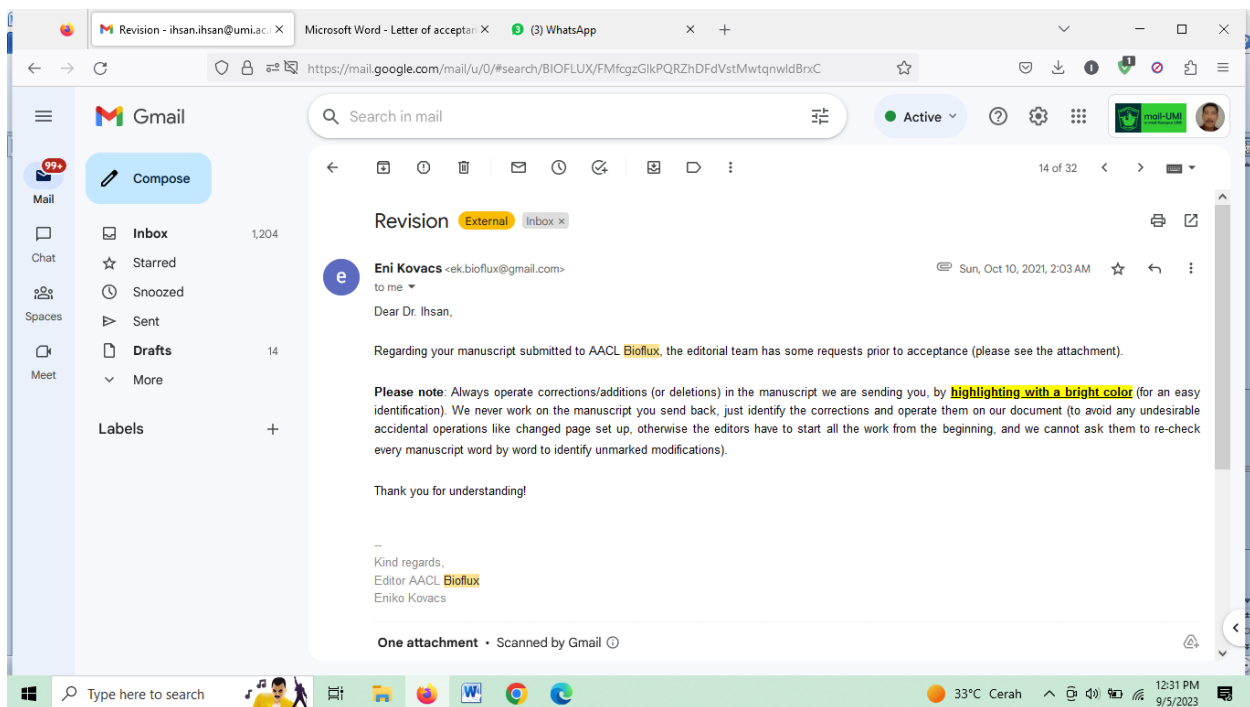
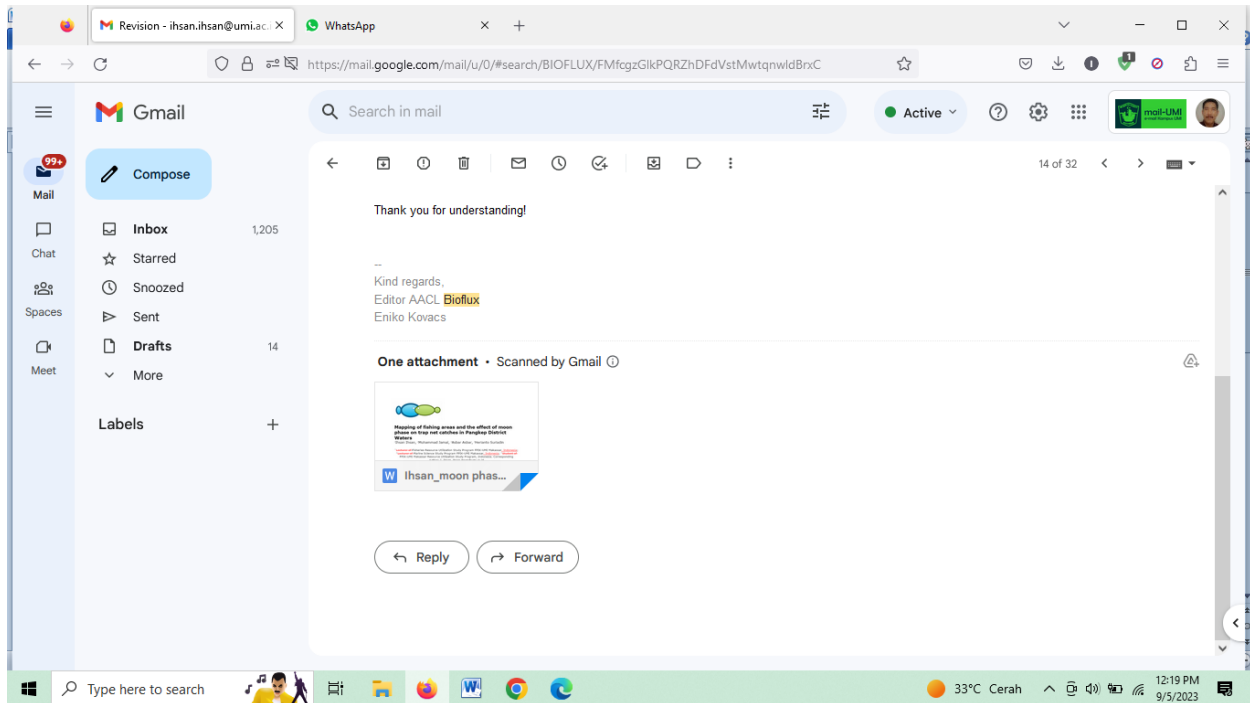
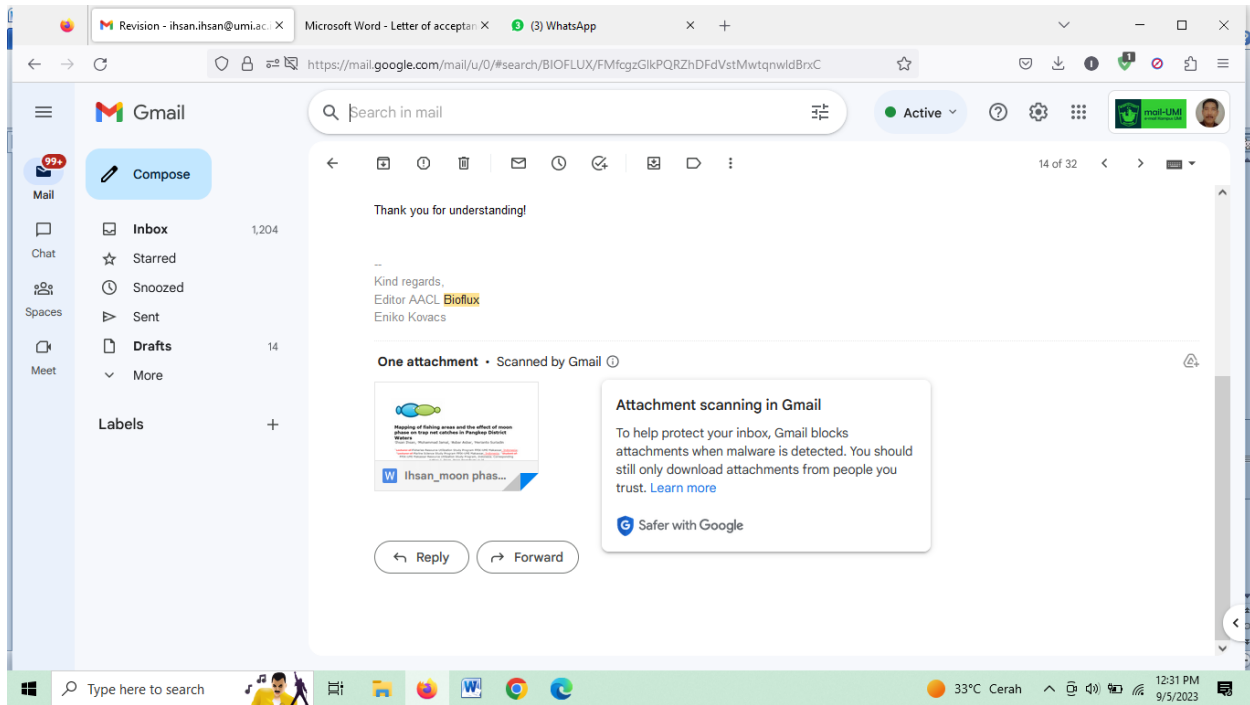
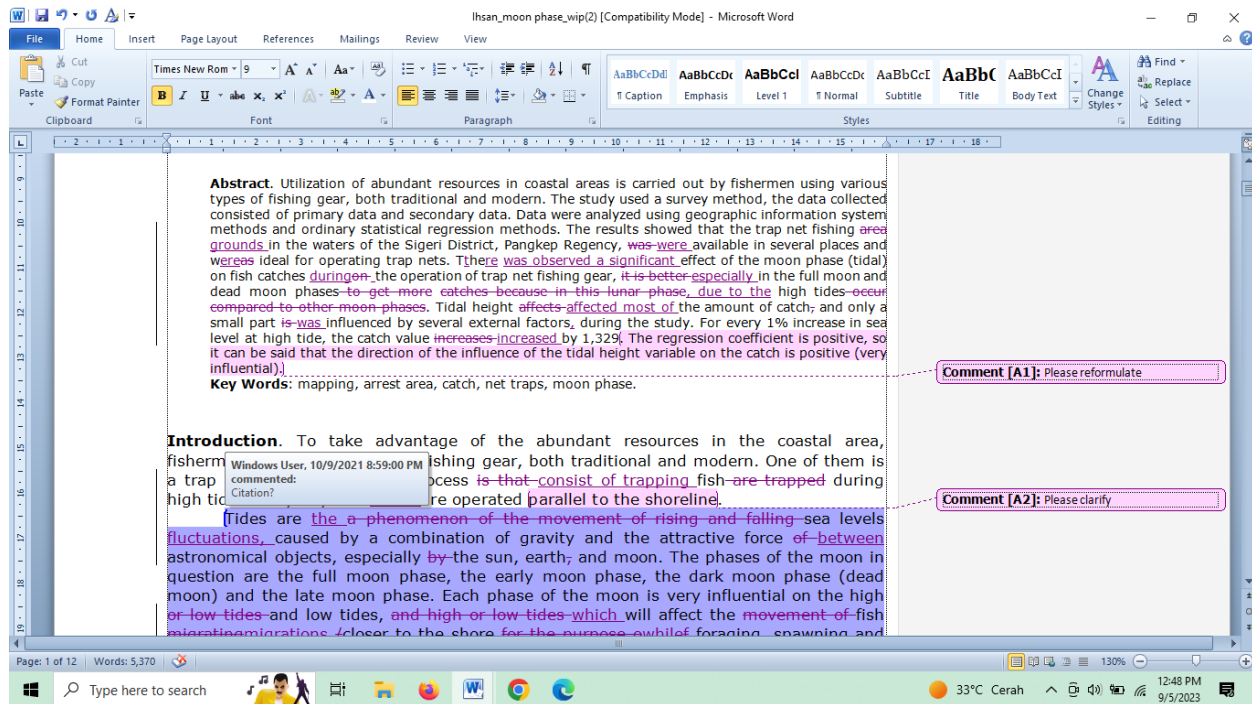
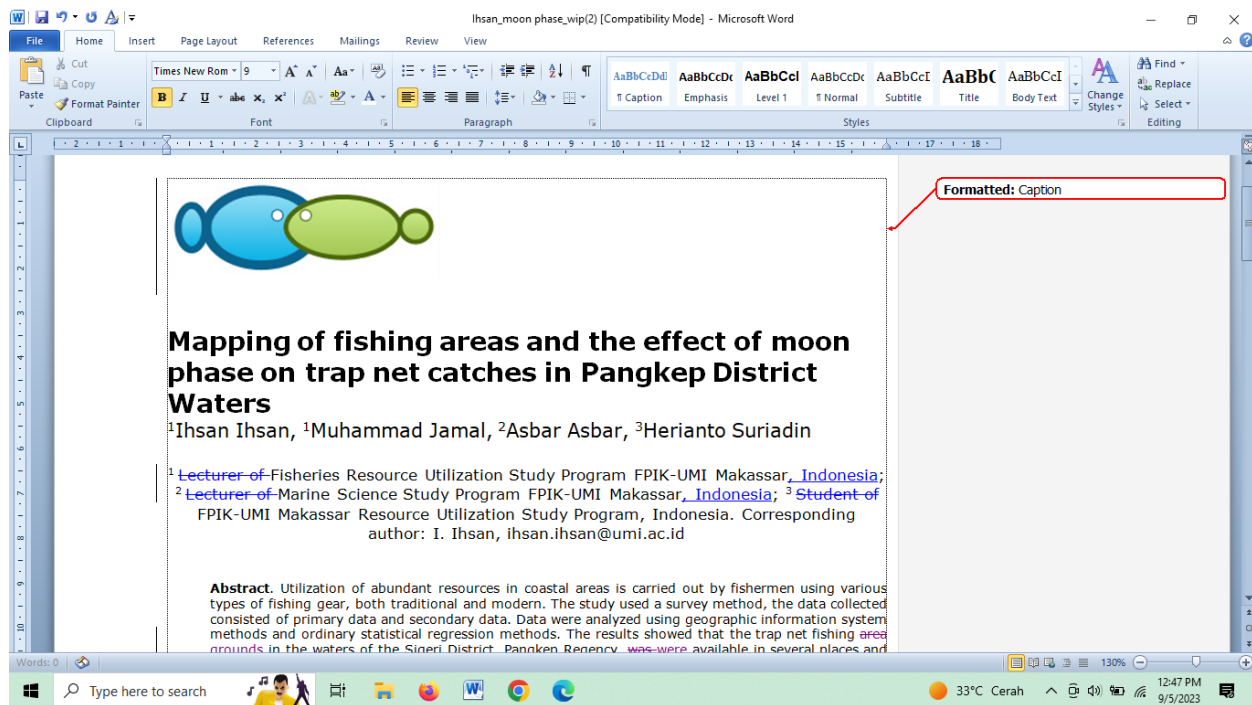
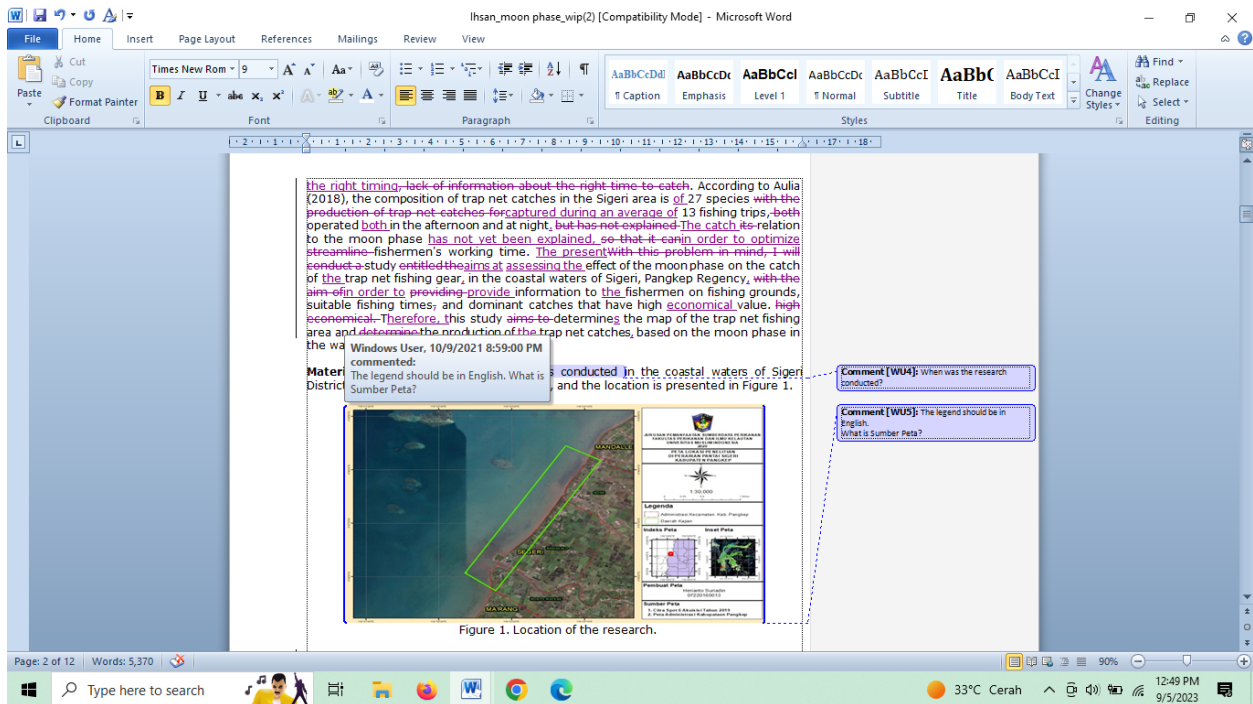
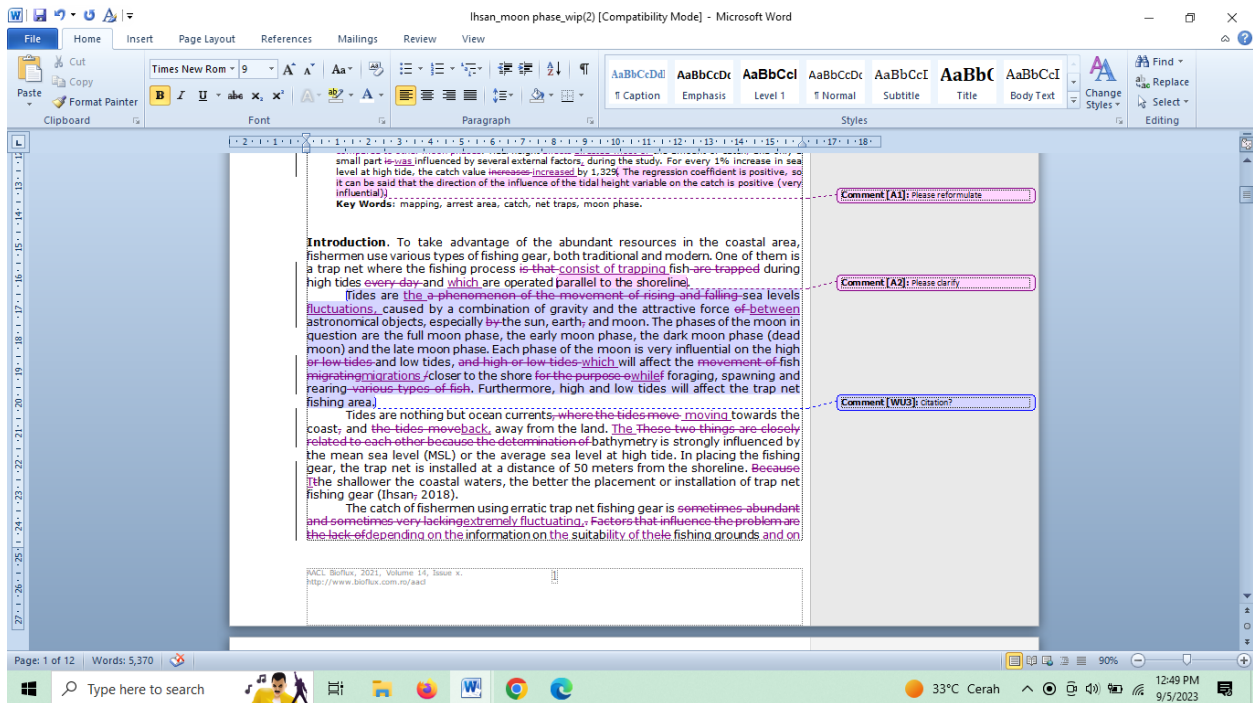


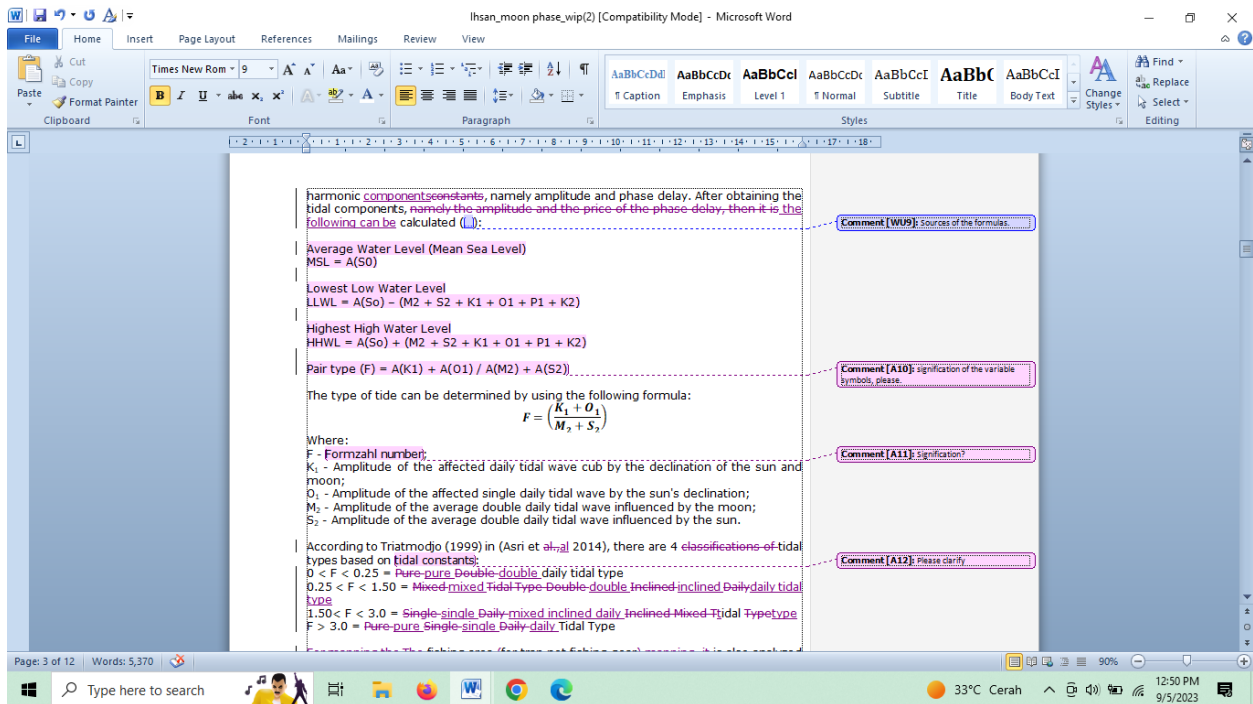
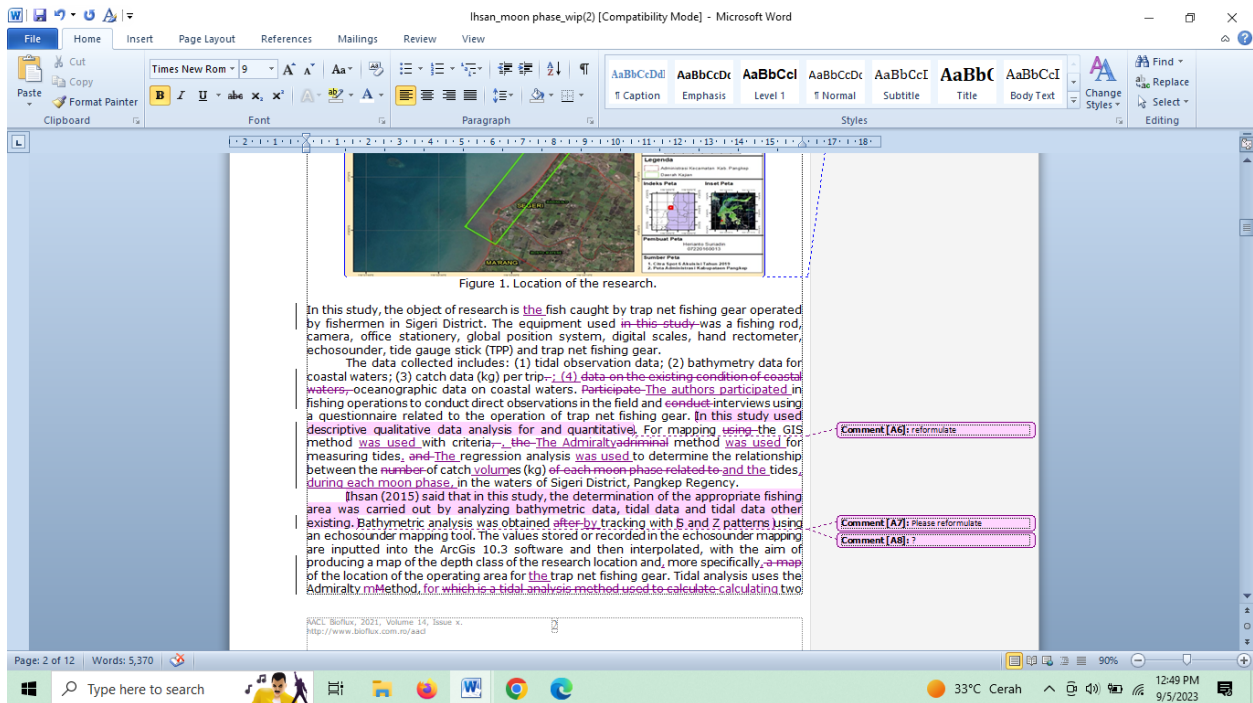


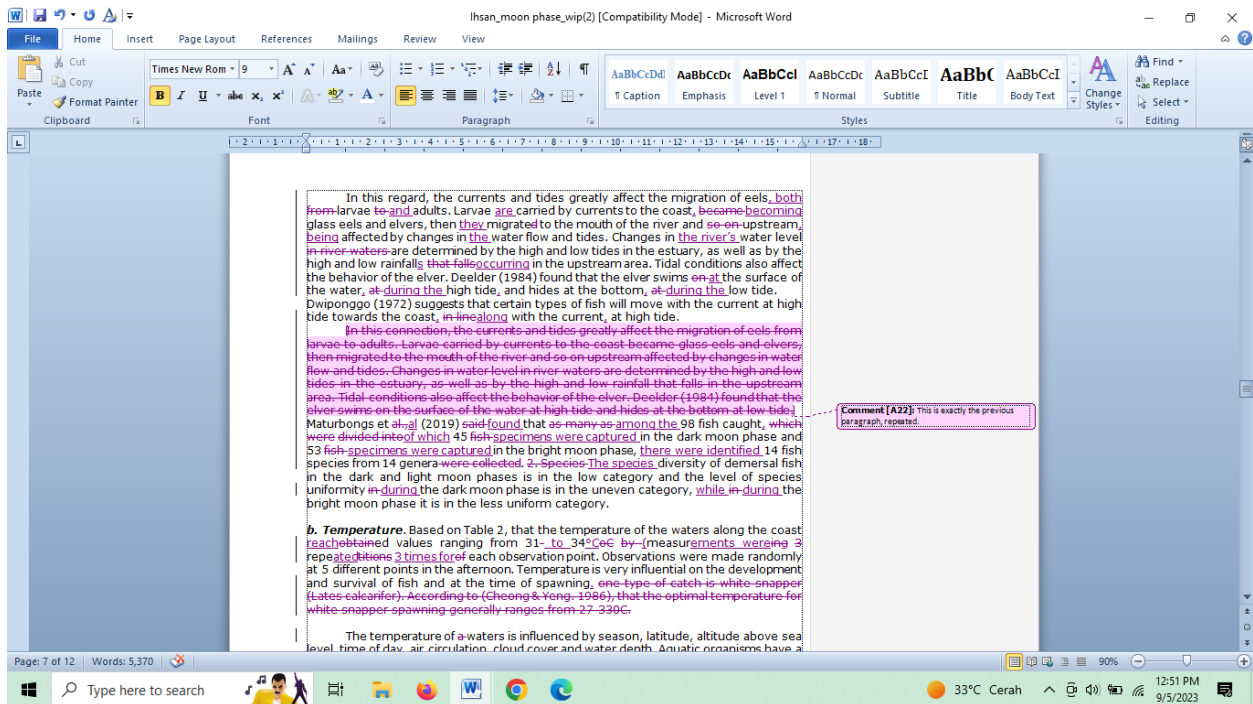
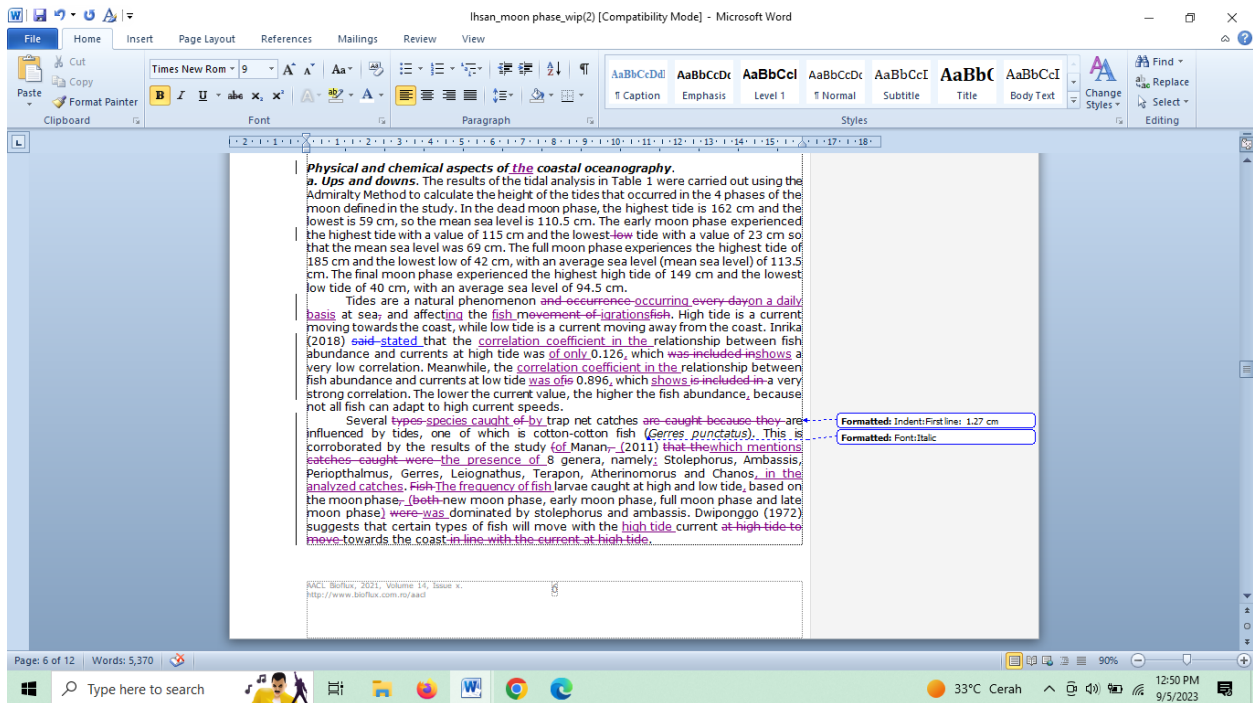


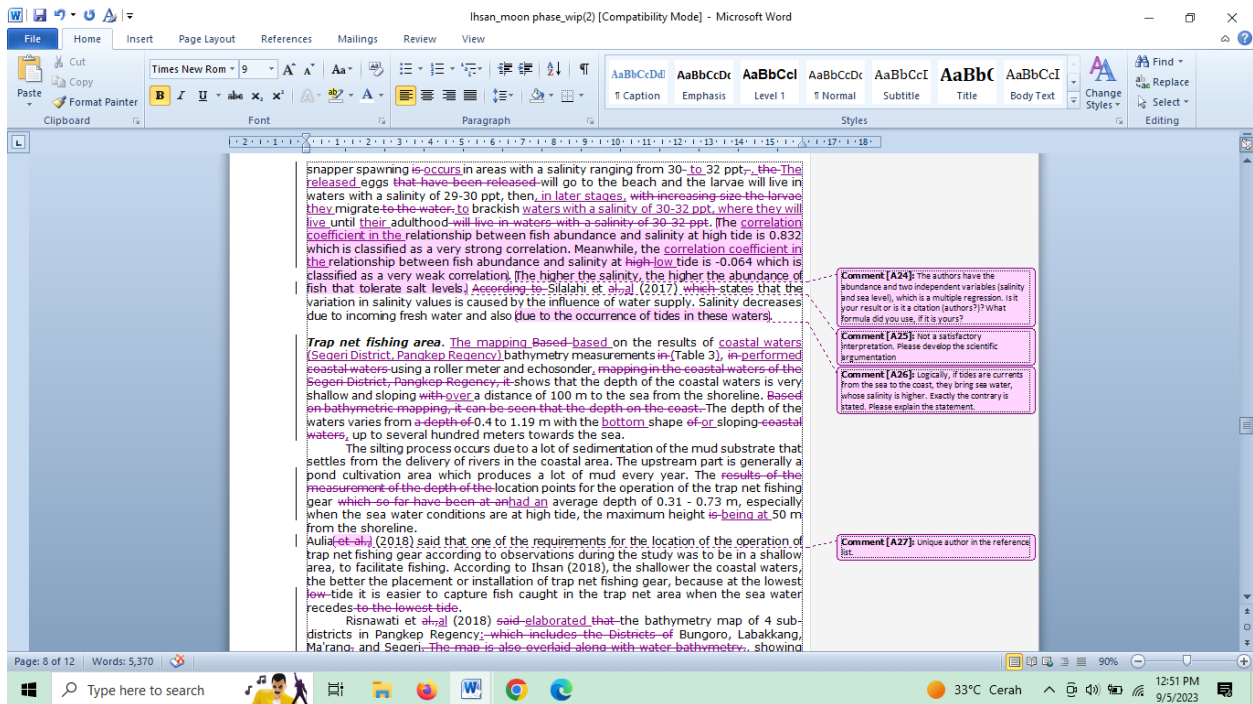
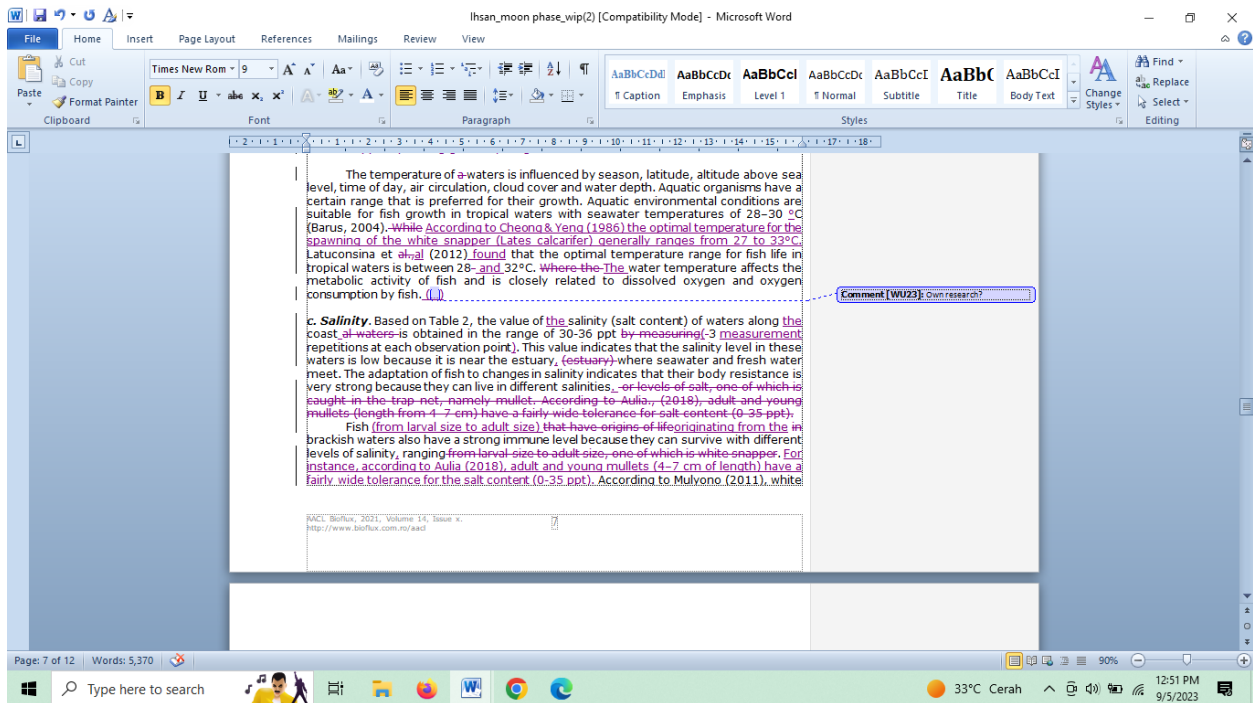


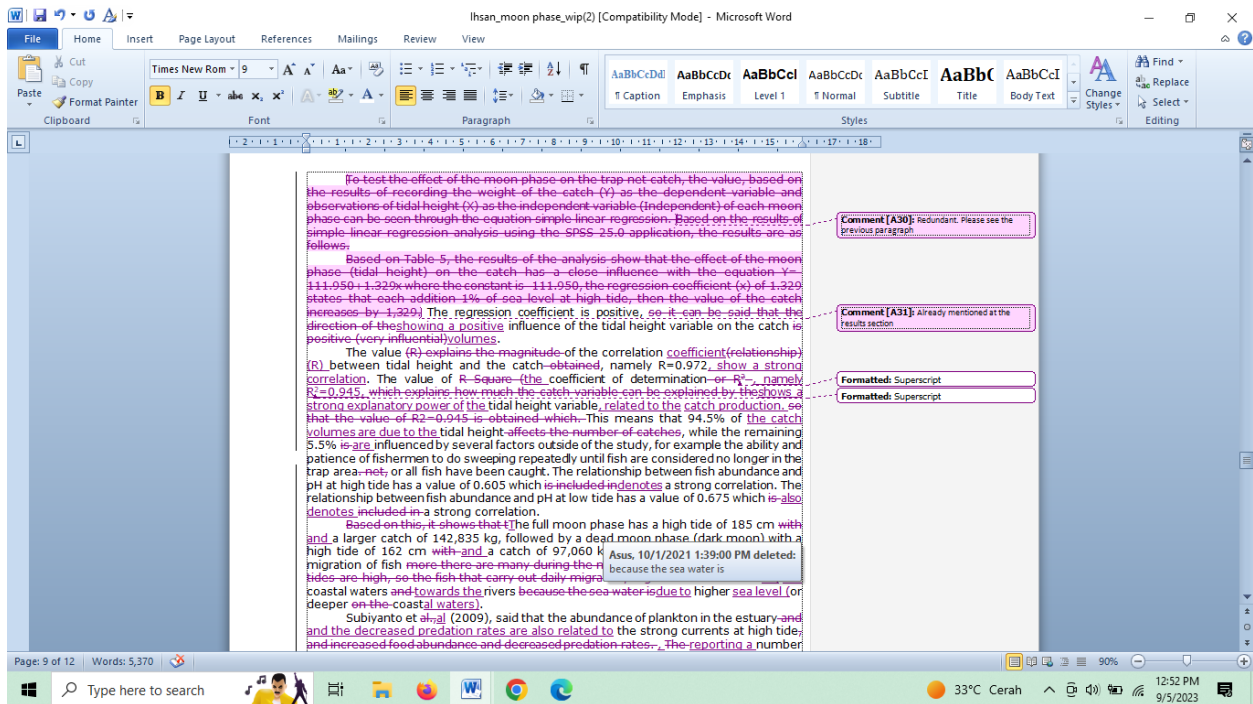
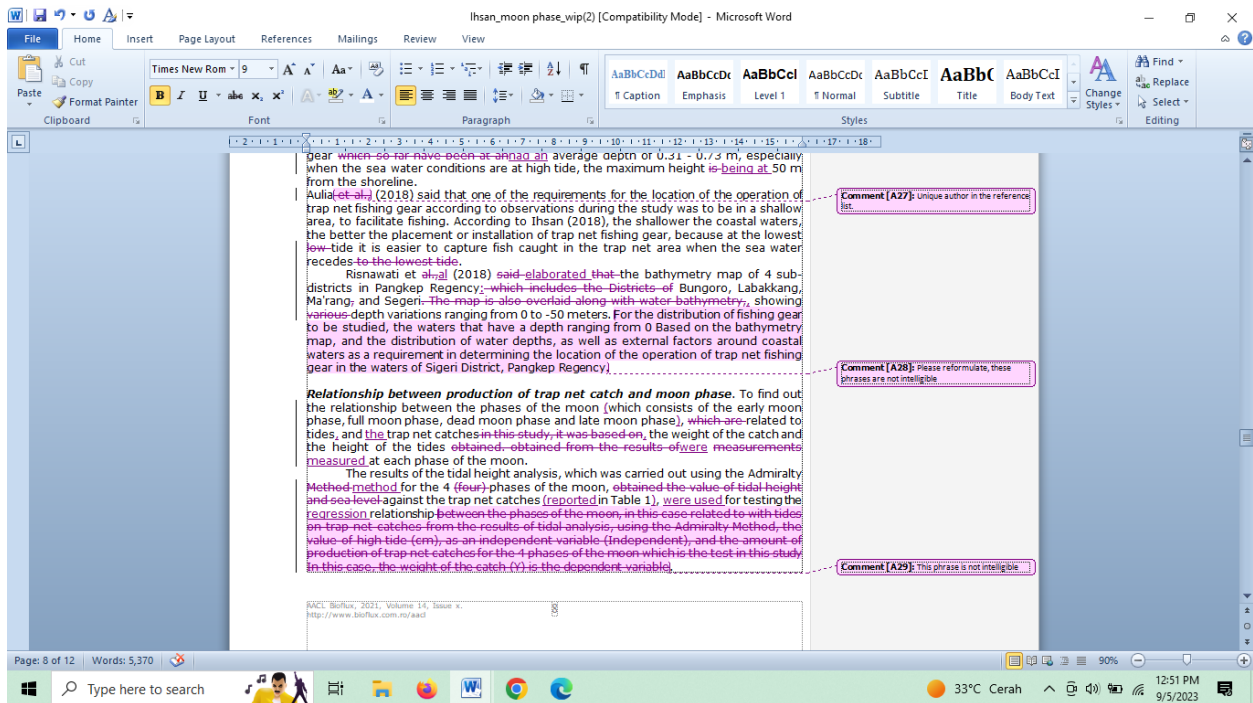












such as occurring during the full moon phase and dark moon phases affect the movement of fish up to the shore and deep into the river, so it is not surprising that many types of marine fish are found in the river. Likewise, the natural movement of several types of fish and non-fish, such as prawns and crabs, although spawning off the coast and in the deep sea, still arrives at the beach where they are reared, reared, looking for food and protection more quickly because of the tidal currents that occur every day).

Abdul Manan (2011) explained that the difference in catches both at high and low tide was due to differences in the direction of currents and the strength of the tides that carried fish larvae in and out of the river mouth. This is due to the movement of also, the weaker body of the fish larvae make them susceptible to be which is not so strong that it can be carried away by the current, in contrast to low tide. Conversely, at low tide, fish larvae were found to be spread evenly in the waters with not so great abundance and did not gather in one place.

It was demonstrated that the tidal conditions affect the abundance of fish larvae in the waters. The strength of the current at high tide makes carry the fish larvae carried to the estuary area, where and they prefer to stay remain at low tide because due to the estuary area has an abundance of food sources for fish larvae and adult fish. According to Subiyanto, et al. (2009) there is a difference in abundance at high and low tide because at high tide many fish larvae are carried to the estuary by tidal currents and avoid low tides by being on the side of the estuarine waters because in the estuarine area they find a place to live, suitable for growth. This is reinforced by Subiyanto et al. (2009), that the larvae are moved by the current where the current flows towards the mouth of the estuary during the flood tide, and the fish larvae that are distributed to the mouth of the estuarine are young larvae and young fish.

Conclusions. The trap net fishing area grounds in the waters of the Sigeri District, Pangkep Regency, is available in several places and is ideal for operating a trap net with a large number of catches. The effect of the moon phase (tidal) on fish catches on the operation of the Trap net fishing gear, it is better in the full moon and dead moon phases by getting more catches because in this lunar phase high tides occur compared to other moon phases. Tidal height affects affected the amount of catch during the study, and only a small part is was influenced by several external factors during the study.

Acknowledgements. The authors would like to thank the Directorate of Research and

Comment [A32]: Please reformulate clearly.

Comment [A33]: Repeated.

Comment [A34]: Redundant. The same idea is repeated.

Comment [A35]: Please reformulate clearly.

waters because in the estuarine area they find a place to live, suitable for growth. This is reinforced by Subiyanto et al. (2009), that the larvae are moved by the current where the current flows towards the mouth of the estuary during the flood tide, and the fish larvae that are distributed to the mouth of the estuarine are young larvae and young fish.

Conclusions. The trap net fishing area grounds in the waters of the Sigeri District, Pangkep Regency, is available in several places and is ideal for operating a trap net with a large number of catches. The effect of the moon phase (tidal) on fish catches on the operation of the Trap net fishing gear, it is better in the full moon and dead moon phases by getting more catches because in this lunar phase high tides occur compared to other moon phases. Tidal height affects affected the amount of catch during the study, and only a small part is was influenced by several external factors during the study.

Acknowledgements. The authors would like to thank the Directorate of Research and Community Service, Directorate General of Research and Development of the Ministry of Education and Research and Technology who has funded this research through the leading university applied research (PTUPT) research scheme, and we we also thank fellow researchers for their significant contributions to this journal.

Conflict of interest. The authors declare no conflict of interest.

References

Andika Ariadi, Suryoputro A. C., Suryoputro, A., & Atmodjo, W., 2014. Study of Ocean current characteristics in Marunda Waters, North Jakarta. Journal of Oceanography, 3(4): 1167-48.

Aulia Q., 2018. Species Composition composition and Daily daily Migration migration of Trap trap Net net Catches catches in Segeri District, Pangkep Regency, [thesis], Thesis, Makassar (ID), Indonesian Muslim University, [url]

Barus T. A., 2004. Introduction to Limnology in the Study of Land Ecosystems. USU press, Medan.

Cheong L. and, Yeng, L., 1986. Status of seabass (Lates calcarifer) culture in Singapore. /n. Copland, J.W. and Grey, D.L (eds.). Proc of an Inter. Workshop held in Darwin, N.T. Australia, 24-30 September 1986 p.65 - od.

Comment [A34]: Redundant. The same idea is repeated.

Comment [A35]: Please reformulate clearly.

Comment [WU36]: The references do not respect the AACL Bioflux Journal's formatting requirements. Please see the model on our website and make the necessary changes.

Comment [WU37]: What kind of thesis? PhD/Msc?

Comment [WU38]: No of pages