

I found the minor revision points, but after that, I think that it is time to accept this manuscript.

### **Minor comments**

P9, l252-l253, I suggest you this revision below.

“In Hinase, Pacific oysters were estimated to have stopped spawning between October 24 and November 4, 2020, and between October 25 and November 7, 2021 and to have begun spawning between June 8 and 19 in 2021, judging from the water temperature thresholds based on Oizumi et al. (1971)”.

P9, l252-253, Please add the Figure number we should see.

P12 eq.(4) please check the location of the comma(,).

P12, l345-l359, Fig14, please write which location you used when you draw Fig. 14.

P12, l361-l362, I wonder if you need the consideration from the effect of air-sea exchange as well as biological production?