Dear Editor,

We submit the revised paper entitled: "Effects of photoperiod and light intensity on milk production and milk composition of dairy cows in automatic milking system" (jast-2021-00092 Version 1).

The reviewers' questions have been underlined and our responses are detailed below.

REVIEWER 1

This manuscript describes the photoperiod and light intensity on milk production and milk composition of dairy cows. It is useful information about the insight into dairy cow management. It showed the improving the milk yield, milk fat and total solids in T2 and lower DMI in treatment than control. The stress of dairy cows was reduced by 100 Lux of light. The paper is presenting solid experimental results backed by convincing and in-depth simulations and analysis and I believe that it is a good candidate for being published in Journal on Animal Science and Technology.
- We appriciate on the reviewer's kind considerations.

REVIEWER 2

The study investigated the effects of photoperiod and light intensity on milk production, milk composition, hormones levels, and blood metabolites indices of Korean Holstein dairy cows in the automatic milking system.

For a more accurate comparison of the effect of photoperiod, it would be better to add one more treatment, the LDPP with below 10 Lux.
- As suggested, additional treatments (below 10 Lux of LDPP) could be supported to establish on our optimized condition for LDPP. Unfortunately, it's so hard to control/maintain the intensity of low level of Lux technically. Furthermore, if having next application, we will be employ on the low Lux condition under controlled facilities.

Please insert the symbol of multiply (×) in the caption of Table 4
- As suggested, we carefully revised Table 4.

Please mention the time when the blood sample is collected in the title of Table 6.
As suggested, we indicated blood sampling time at legend of Table 6.