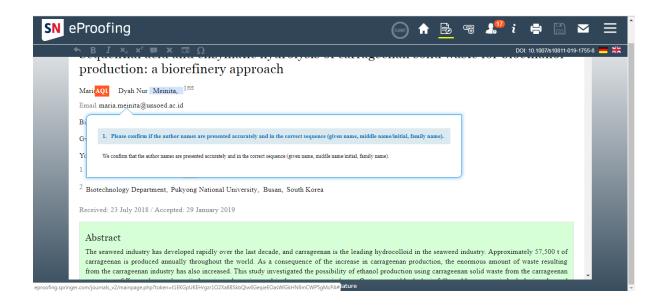
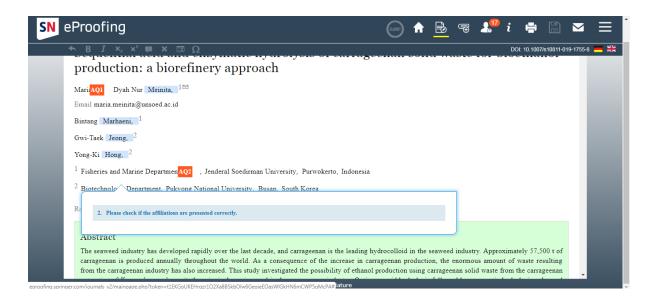
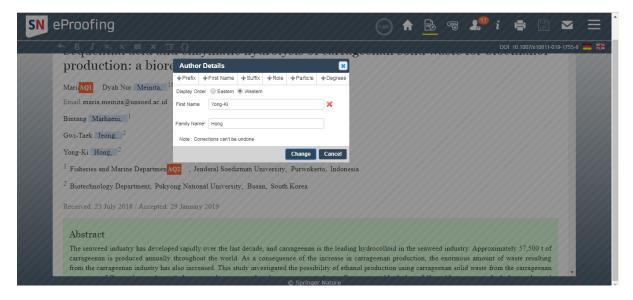
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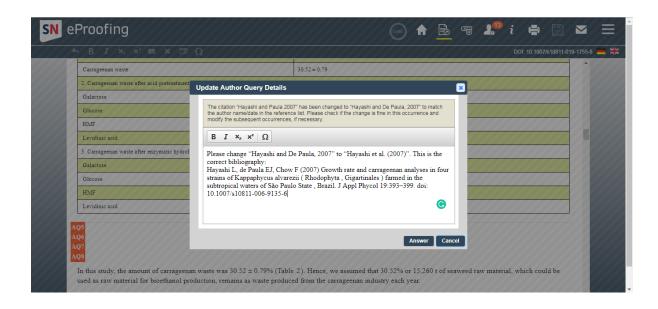


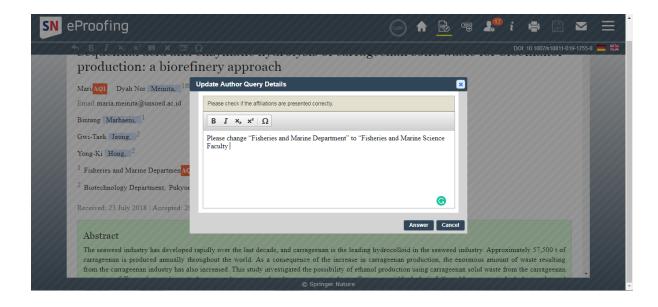


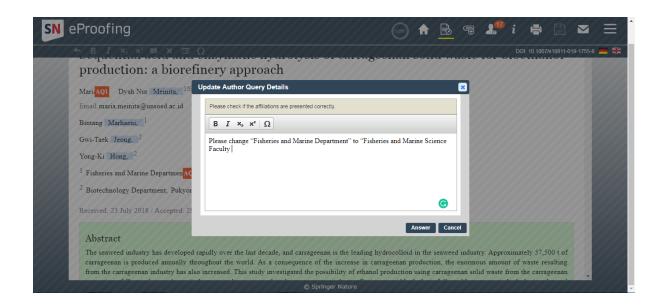












#### Your Submission JAPH-D-18-00512

From: JAPH (em@editorialmanager.com)

To: mariameinita@yahoo.com

Date: Thursday, November 29, 2018 at 12:00 PM GMT+7

CC: "Bintang Marhaeni" bmarhaeni@gmail.com, "Gwi-Taek Jeong" gtjeong@pknu.ac.kr, "Yong-Ki Hong" ykhong@pknu.ac.id

Dear Dr Meinita,

We have received the reports from our advisors on your manuscript, "Sequential Acid and Enzymatic Hydrolysis of Carrageenan Solid Waste for Bioethanol Production: A Biorefinery Approach", submitted to Journal of Applied Phycology

Based on the advice received, I have decided that your manuscript can be accepted for publication after you have carried out the corrections as suggested by the reviewer(s).

Attached, please find the reviewers' comments for your perusal.

#### FOR POSSIBLE REVIEWER ATTACHMENTS PLEASE VISIT THE WEBSITE

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I am looking forward to receiving your revised manuscript within four weeks time.

Please make sure to submit your editable source files (i. e. Word, TeX).

With kind regards, Michael A. Borowitzka, PhD Editor in Chief

Comments for the Author:

Reviewer #1: November 26, 2018

Journal of Applied Phycology Review JAPH-D-18-00512

This paper described the extraction of carrageenan and its hydrolysis for bioethanol production. The scope is OK but it cannot be published because of the following reasons.

#### Major comments

- Carragenan yields of 25.4-5.3% and 20-35% should be clarified. According to Hayashi et al. (2011), the G11 strain had semi-refined carrageenan yields which were significantly higher (31% - 43%) than tetrasporophytic strains, and similar to those for the commercial sample (49%) for all months studied (Figure 1b). Refined carrageenan yield was significantly higher for the G11 strain than for the tetrasporophytic strains throughout the year, except in February (related to the green strain) and May (related to the brown and red strains) (Figure 1c). The values obtained from this strain (15% - 28%) are similar to those for the commercial sample (27%).

- Line 149-150. A yield of 35.3% should be corrected because 46.1% was reported according to Goes and Reis (2012).
- Why the carrageenan yield and ethanol production of this research was better than others? Results of Table 3 should be discussed in regards with extraction yield and ethanol production.

Minor comments

There are two Fig. 4. Should be corrected

Fig. 1 should be deleted

Figure 3 caption. Enzy me concentration (%) -> Enzyme concentration (%)

Number font size in Table 2 should be identical

Line 177 (Fig. 1a) -> Fig. 2a

Line 182 by Meinita et al. (2015, 2012, 2011). -> by Meinita et al. (2015, 2012)

Line 187 (Fig. 1b) -> Fig. 2b

Line 198 (Fig. 1c) -> Fig. 2c

Line 300 (Fig. 4) -> Figure number should be added.

Line 312 Figure 4 -> Figure number should be added.

#### Many errors in references

Reference line 331-333 -> J Appl Phycol 24:173-180

Reference line 339-341 -> J Appl Phycol 23:439-447, Kappaphycus alvarezii should be in italic Reference line 342-344 -> J Appl Phycol 19:393-399

Reference line 352 -> (Book) -> McHugh (2003) A Guide to the Seaweed Industry, FAO, Roma

Reference line 353 -> year 2011 -> 2012

Reference line 356-358 -> J Appl Phycol 29:3201-3209

Reference line 359-361 -> J Appl Phycol 30:143-147

Reference line 371-373 -> J Apple Phycol 1-7 (2018)

Reference line 374-376 -> J Appl Phycol 6:1-5 doi: 10.1007/BF02185896

Reference line 377-378 -> Mar Blosci Biotechnol 4:6-10

Reference line 379-381 -> Food Hydrocoll 23:1903-1909

Reference line 382-384 -> authors should be four. Periyasamy C, Anantharaman P, Balasubramanian T, Rao PS (2014), J Appl Phyco 26:803-810

Reference line 385-386 -> J Appl Phycol 29:2187-2200

Editors Note: The other reviewer has been unresponsive and I do not wish to hold up this paper any longer.

When revising, please correct the unit g L-1 on the graphs - there should be a space between the g and the L. Also, please carefully check all your references to see they are complete and up-to-date. The doi should only be given if the paper has been published only on-line.

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# JAPH-D-18-00512: Your manuscript submitted to Journal of Applied Phycology

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The Editorial Office
Journal of Applied Phycology

## JAPH-D-18-00512: Thank you for your approval

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Date: Monday, July 23, 2018 at 09:11 PM GMT+7

Submission ID: JAPH-D-18-00512

Dear Dr Meinita,

Thank you for approving the changes that made to your submission entitled "Sequential Acid and Enzymatic Hydrolysis of Carrageenan Solid Waste for Bioethanol Production: A Biorefinery Approach".

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Date: Thursday, January 24, 2019 at 11:35 AM GMT+7

CC: "Bintang Marhaeni" bmarhaeni@gmail.com, "Gwi-Taek Jeong" gtjeong@pknu.ac.kr, "Yong-Ki Hong" ykhong@pknu.ac.id

Dear Dr Meinita.

We are pleased to inform you that your manuscript, "Sequential Acid and Enzymatic Hydrolysis of Carrageenan Solid Waste for Bioethanol Production: A Biorefinery Approach", has been accepted for publication in Journal of Applied Phycology.

Please remember to quote the manuscript number, JAPH-D-18-00512R1, whenever inquiring about your manuscript.

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