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Teaching Areas:

Animal Physiology
Animal Cell and Tissue Culture
Cell Biology

Organizations:

Editor – SEMAR Journal of
Community Service, Sebelas
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SELECTED PUBLICATIONS

2021. Red snapper fish improves thyroid gland activity in the hypothyroidism rat. *Food Research* 5 (Suppl. 2), 18 - 24.

2021. Effect of red snapper fish intake on pyramidal cells in hypothyroidic rat brain model. *IOP Conf. Ser.: Earth Environ. Sci.*, 828 012036

2021. Planar cell polarity induces local microtubule bundling for coordinated ciliary beating. *Journal of Cell Biology* 220 (7), e202010034.

2021. Daple deficiency causes hearing loss in adult mice by inducing defects in cochlear stereocilia and apical microtubules. *Scientific Reports* 11, 20224.

2016. Multiciliated cell basal bodies align in stereotypical patterns coordinated by the apical cytoskeleton. *Journal of Cell Biology* 214(5).

RESEARCH PROJECTS

1. International collaboration with Osaka University. Topic: Role of planar cell polarity for controlling respiration and hearing function. Funds: International Collaboration Grant, UNS (No.260/UN27.22/HK.07.00/2021) 2020-2021 and Kobayashi International Scholarship, Kobayashi Foundation, Japan 2018-2020.
2. Protective effect of marine collagen peptide against UV-B induced photodamage in MEF cells. Research collaboration UNS-UIN-UNIDHA (No. 2400/UN27.22/PN.01.03/2021).
3. Differentiation profile of respiratory epithelial cells. Fundamental Research Grant, UNS (No. 543/UN27.21/PP/2018).

PATENTS AND PROPRIETARY RIGHTS

1. Make Life Visible [Book Chapter]. Springer Singapore. 2019 and 2020.
2. Foraminifera I ["Batik" motif; No: EC00201981491]. 2019.
3. Protista I ["Batik" motif; No: EC00201981489]. 2019.

ACADEMIC CAREER

[2005-present] : Assistant Professor, Dept. of Biology, Faculty of Mathematics and Natural Sciences, Universitas Sebelas Maret.

[2003-2005] : Lecturer, Dept. of Biology, Faculty of Mathematics and Natural Sciences, Universitas Sebelas Maret.

- [2012-2016] : Ph.D. Bioscience Osaka University, Japan.
- [2006-2008] : M.Eng. Biotechnology Osaka University, Japan.
- [1999-2003] : S.Si Biology Gadjah Mada University, Indonesia.