

Jurnal Teknik Pertanian (J-TEP) is a scientific journal devoted to publish results of research, development, studies or ideas in the field of agricultural engineering in a broad sense. The scope of J-TEP includes (but is not limited to) the fields of: water-plant-land resource engineering, agricultural environment, bioprocess engineering, post-harvest engineering and technology, farm power and equipment, renewable energy, agro-industrial wastes, control systems and artificial intelligence, robotics, and IoT applications in agriculture. Starting in 2019, J-TEP is published 4 (four) times a year: March, June, September, and December. Since 2018, J-TEP has been accredited to the SINTA-3 journal based on the Decree of the Director General of Higher Education No.21/E/KPT/2018, and since Vol. 11, No. 3 (September 2021) J-TEP has been accredited as a SINTA-2 journal based on the Decree of the Director General of Higher Education, Research and Technology No. 164/E/KPT/2021. Starting from Vol. 11, No.1 (March 2022) J-TEP is published in English. J-TEP is open to the public and invites researchers, students, practitioners, and observers in the world of agricultural engineering to submit their scientific papers.

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## **PREFACE**

With gratitude to Allah the Almighty, Jurnal Teknik Pertanian Lampung (J-TEP) Volume 11, No. 4, December 2022 can finally be published. This issue is very special for us because J-TEP for the first time publish the manuscript in full English. After getting the SINTA-2 Accreditation, J-TEP was challenged to go further. Since Volume 9 No. 1 March 2020, J-TEP received review papers and it is still like that. J-TEP continues to strive to increase the number of articles rationally. This edition contains 15 (fifteen) articles which are scientific papers from various fields of study in the world of Agricultural Engineering broadly which include cultivation engineering, bioprocess technology, modeling, climate effect, and others.

On this occasion, we would like to express our deepest gratitude to the authors for their contribution to J-TEP and to the reviewers of this journal for their participation and contribution in improving the quality of scientific papers published in this edition. Finally, I hope that J-TEP can be useful for the community and make a meaningful contribution to the development of science and technology, especially in the field of agricultural engineering.

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