

Jurnal Teknik Pertanian (J-TEP) is a scientific journal devoted to publish results of research, development, studies or ideas in the field of agricultural sciences, engineering, and technology 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 and agro-industrial technology, farm power and equipment, renewable energy, agro-industrial wastes, control systems and artificial intelligence, robotics, and IoT applications in agriculture. Since 2016, J-TEP has been accredited as the SINTA-2 journal based on the Decree of the Director General of Higher Education No. 164/E/KPT/2021. Starting from Vol. 11, No.1 (March 2022) J-TEP is published in English. Starting in 2025, J-TEP is published 6 (six) times a year: February, April, June, August, October, and December. J-TEP is open to the public and invites researchers, students, practitioners, and observers in the world of agricultural engineering and agricultural technology to submit their scientific papers.

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## **PREFACE**

With gratitude to Allah the Almighty, Jurnal Teknik Pertanian Lampung (J-TEP) Volume 14, No. 6, December 2025 can finally be published. This edition contains 42 (forty-two) papers from various fields of study in the world of Agricultural Engineering and Agricultural Technology including cultivation engineering, bioprocess technology, wood engineering, design, modeling, renewable energy, 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 and technology.

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