

ISSN 3025-3780 (online)

ISSN 3025-4590 (print)

JRAEE

JOURNAL OF ROBOTICS, AUTOMATION, AND ELECTRONICS ENGINEERING

Volume 4, No. 1, March 2026



Published By

Electronics Engineering
Department of Electrical and Electronics Engineering
Vocational Faculty, Universitas Negeri Yogyakarta

JRAEE

Volume 4

No. 1

Pp. 226-280

Yogyakarta
31 August 2026

e-ISSN 3025-3780
p-ISSN 3025-4590