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## FOREWORD

All praise be to Allah SWT for His mercy and blessings so that the **Jurnal Pendidikan Fisika, University of Muhammadiyah Makassar, Volume 9, Number 1**, Period January 2021 can be published.

Jurnal Pendidikan Fisika contains scientific papers resulting from empirical research and literature review in the field of physics education which focuses on 10 topics: (1) physics learning: conceptual understanding; (2) physics learning: contexts, characteristics, and interactions; (3) physics teaching: characteristics and strategies; (4) digital resources for physics teaching and learning; (5) history, philosophy, and nature of science; (6) discourse and argumentation in physics education; (7) scientific literacy and socio-scientific issues; (8) evaluation and assessment of student learning and development; (9) pre-service and in-service physics teacher education; and (10) physics textbook analysis

Articles that have been published by the Jurnal Pendidikan Fisika Volume 9 Number 1 not only come from undergraduate, master and doctoral students but also teachers and lecturers from various universities in Indonesia. The authors of the Jurnal Pendidikan Fisika Volume 9 Number 1 come from the Postgraduate Program Universitas Pendidikan Indonesia (UPI), Postgraduate Program Universitas Negeri Makassar (UNM), Universitas Negeri Surabaya (UNESA), Universitas Muhammadiyah Makassar (UNISMUH), Universitas Flores, Universitas Muslim Maros, Universitas Gorontalo, Universitas Indonesia Timur, STKIP Bima, dan IKIP PGRI Pontianak.

We hope that by the publication of the Jurnal Pendidikan Fisika, Volume 9, Number 1, it can contribute to the development of science, especially in the field of physics education. Finally, we would like to thank the authors, reviewers, editors and all those involved in the publication of this journal.

Makassar, Februari 2021

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