

SUBJECT INDEX

acceleration due to gravity	65
blended learning model	113, 114, 115, 118
character questionnaires	75, 76, 77
creative thinking skills	9, 10, 11, 12, 13, 122
critical thinking skill	9, 94, 113, 114, 116, 117, 118, 121, 122, 123, 125, 126, 127
development experiment tool kit	89
edmodo	113, 114, 115, 116, 118
educational 4.0	131
electric concept	17, 21
employability skills	1, 2, 3, 5, 6, 7
experiment media	51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 62
graphs	61, 65, 70, 73, 101, 105, 108
guided inquiry learning models	81, 83, 86
horizontal anchor items	37, 39, 46, 48
instructional technology	131
interactive lecture-demonstration	1
IoT based	51, 53, 54, 56, 57
kinesthetic style	25, 26, 28, 30, 31, 32, 33, 34
learning outcomes	10, 17, 25, 26, 28, 30, 31, 32, 33, 34, 38, 78, 83, 113, 116
local wisdom	97, 98, 99, 100, 101, 102, 103
momentum and impulse	113, 114, 115, 116, 118
MOOCs	17, 18, 19, 20, 21, 22
multiple representations	26, 105, 106, 107, 108, 109
National examination	26, 37, 38, 39, 40, 41, 46, 47, 48
Newton's law	44, 81, 105, 106, 107, 108, 109, 110
Pancasila	121, 122, 123, 127
Physics	2, 3, 4, 6, 10, 18, 22, 25, 26, 27, 37, 38, 39, 40, 48, 51, 52, 53, 54, 58, 59, 62, 65, 70, 73, 75, 76, 77, 89, 90, 97, 98, 99, 101, 102, 103, 105, 106, 107, 108, 109, 110, 114, 121, 122, 123, 124, 127, 131, 132, 133, 134, 135, 136, 137
learning	3, 13, 18, 51, 54, 65, 70, 75, 76, 77, 89, 90, 106, 107, 110, 121, 122, 123, 131, 133, 135, 136, 137
learning book	121, 122, 123
pictorial diagrams	105, 108
Problem	1, 5, 7, 9, 10, 11, 12, 13, 20, 21, 25, 32, 33, 38, 51, 52, 54, 57, 59, 61, 62, 66, 78, 81, 82, 84, 85, 90, 95, 98, 100, 101, 106, 108, 110, 113, 114, 118, 121, 122, 123, 125, 126, 127, 132, 135, 137
Based Learning (PBL)	9, 10, 11, 12, 13, 51, 54, 59, 61
-solving	10, 51, 53, 54, 57, 61, 62, 98, 106, 114, 121, 122, 25
projectile motion props	121
quick on the draw	37
Rasch models	25, 26, 27, 28, 30, 31, 32, 33, 34
remedial teaching	26, 51, 58, 59, 62, 79, 81, 82, 83, 84, 85
science	81, 84
literacy	89, 90, 91, 92, 93, 94, 95,
process skill	97, 98, 99, 100, 101, 102, 103
STEM	9, 10, 13
substance pressure	

table representations	105
teacher's initial perception	131
test tool	37, 39
the characters of students	75
the sound intensity level	89, 90, 91, 94
thermodynamics law	51, 53, 57, 58, 59, 61, 62
TPACK	131, 132, 133, 135, 136, 137
tracker	65, 66, 67, 70, 73
two-dimensional collision	65, 70
understanding of concepts	26, 32, 97, 98, 99, 101, 106
video analysis	65, 66, 70
Virtual	1, 2, 7, 17, 18, 52, 90
Microscopic Simulation (VMS)	17, 18
test assesment	1, 2, 7

AUTHOR INDEX

Agus Setiawan	105
Aji Pancer Agung Rino	17
Anita Anita	75
Asep Saefullah	9
Debora Natalia Sudjito	65
Depi Oktasari	131
Dewi Mulyati	113
Dina Rahmi Darman	1, 17
Disa Hediandah	131
Dwi Nanto	89
Fajar Rizki Setiawan	9
Ferdy S Rondonuwu	65
Fety Novianty	75
Firmanul Catur Wibowo	1, 17
Fransisca Indra Dewi	65
Heni Pujiastuti	81
Ilham Akbar Darmawan	17
Imam Arifin	121
Indah Langitasari	97
Indri Sari Utami	97, 113
Insih Wilujeng	121
Iwan Permana Suwarna	25
Iwan Sugihartono	97
Jumadi	121, 131
Kissi Marwanti	1
Lukman Nulhakim	9
Masrifah	105
Mudmainah Vitasari	97
Nur Aji Wibowo	65
Parlindungan Sinaga	105
Raihanati	37
Royhanun Athiyah	89
Rudi Haryadi	81
S Linuwih	51
S Sulhadi	51
Sari Eka Putri	25
Sisi Saptria Dewi	17
Siti Rohanah	113
Suherman	1, 17
Taufiq Al Farizi	89
Warsono	131
Wawan Setiawan	105
Wirda Nilawati	37
Yeni Rima Liana	51
Yetti Supriyati	37
Yudi Guntara	1
Yuli Rahmawati	97
Yus Rama Denny	113

The Author Guidelines of JPPPF (Jurnal Penelitian dan Pengembangan Pendidikan Fisika)

The guidelines for authors converge in manuscript templates.

Manuscript Template

Manuscript Template of JPPPF available in two version. For authors, please download at the following link.

- 1) [Manuscript Template \(English version\)](#)
- 2) [Manuscript Template \(Bahasa Indonesia version\)](#)

Harvard Style Referencing

JPPPF using Harvard style of writing citations and bibliography. Instructions of writing citations and bibliography please download at the following link.

[Harvard Style Referencing](#)

Manuscript Assessment Process

Any accepted manuscript will be reviewed by at least two reviewers, plus editorial comments. The author is required to revised the manuscript according to reviewer comments and editors. Editor team will process it for later publication. For peer review process diagrams please go to [Peer Review Process](#) page.

Submission Technical Summary

- 1) JPPPF (manuscript template) format ([Manuscript Template of JPPPF](#)).
- 2) Format of JPPPF reference list ([Reference Format JPPPF](#)).
- 3) Please fill form of Statement Letter and Copyright Transfer JPPPF ([Copyright Transfer Form](#))
- 4) Selected paper will be published in JPPPF (the author should completed all review and revision process).
- 5) Submit papers and revised papers submitted through the journal submission system, tutorials and instructions can be seen on the next points below.
- 6) Registration tutorial at JPPPF ([How to Register in JPPPF](#)).
- 7) Tutorial submit in JPPPF ([How to Submit in JPPPF](#)).
- 8) Tutorial: tutorial read the review results and upload the revised file ([Review Result and Revised File](#)).
- 9) Instructions for writing mathematical equations in New Office 365 ([Equation Editor in New Office 365](#))
- 10) Each notification will be sent via email, the author should check the notification through the journal account and registered email.
- 11) Peer review process diagrams please go to [Peer Review Process](#) page.

JPPPF is published in collaboration:



Program Studi Pendidikan Fisika
Universitas Negeri Jakarta



LPPM
Universitas Negeri Jakarta



PSI:
Physical Society of Indonesia



PT Lingga Wyakta Digital

