SUBJECT INDEX

3.4 Nino Index	41
absorption spectra	110, 111
air pollution monitoring	1, 2
Airborne sound insulation	97, 98, 99, 100, 102, 103, 104, 105, 106, 107
Arduino Uno	2, 3, 4, 9, 19, 54, 55, 58 60
Bluetooth	153, 155, 159, 160, 161
brachytherapy	129, 130, 131, 132,
clamp-meter	53, 55, 56, 58, 59, 60
coercivity field	87, 88, 95
CoFe alloy	87, 88
copper	21, 22, 23, 27, 72, 73, 76
corona-virus	61
COVID-19	61, 62, 63, 64, 66, 67
Crystal structure	109, 110, 114, 167
CT Number	31, 32, 33, 34, 35, 36, 38
CTDIvol	31, 32, 34, 37, 38
current balance	119, 120, 123, 124, 127
Currie temperature	87
dioxide	21, 22
dust	141, 142, 143, 145, 146, 147, 148, 149, 150, 151, 154
El Nino intensity	41, 42, 45, 46, 47, 50
FESEM	163, 164, 165, 167
GMR	53, 54, 55, 56, 57, 58, 60
graphic method	119
gravity acceleration	119, 123, 124, 127
GUM	97, 98, 100, 101
heat conductivity	69,70,71, 72, 73, 74, 75
Humidity	88, 104, 109, 110, 111, 112, 113, 114, 115, 116, 142, 143
hysteresis curve	87, 88, 89, 90, 91, 93, 94
impregnation	21, 22, 23, 27
indoor Air Quality	141, 142, 143, 145, 146, 150, 151
interface	53, 54, 56, 58, 60
ionization chamber	129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139
IoT	130,138, 139, 141, 143, 145, 146, 150, 155, 161
laboratory measurement	97
LM35	69, 70, 71, 75
matlab	61, 65
measurement	1, 2, 6, 8, 9, 14, 19, 27, 31, 33, 34, 35, 36, 53, 54, 58, 59, 60, 69, 70, 71, 72, 73, 74, 75, 76
metal	22, 25, 27, 69, 70, 71, 72, 73, 74, 76
microcontroller	1, 2, 3, 4, 5, 8, 18, 54, 55, 56, 57, 60, 69, 71
mixed halide perovskite	109, 110, 117
modeling	61, 62, 64, 65, 66, 67
nanocomposite	21, 22, 23, 24, 25, 27,
nitrogen flow rate	79, 80, 81, 82, 83, 84
noise	31, 32, 33, 34, 35, 36, 37, 38
noise power spectrum	31, 34, 36
optical characterization	11
precipitable water	41, 42, 44, 48, 49, 50
probe	69, 70, 71, 72, 73, 75, 76, 80
radiation quality correction factor (kQ) achytherapy	129, 130, 131, 137, 138
rainfall cycle	41, 42, 50
refilled drinking water	153, 154, 155, 156, 157, 158, 159, 160
seed-mediated hydrothermal method	163, 164, 167

SEIR model	61, 62, 63, 65
selenium doped ZnO nanorod	163
sensor gas	1
sol-gel method	11, 12, 13, 22
sound transmission loss	97, 98, 99, 106, 107
sputtering	79, 80, 84
Stability	88, 109, 110, 111,112, 113, 114, 115, 116, 130,139
substrate bias	79, 80, 81, 82, 83, 84
surface morphology	79, 80, 81, 82, 83, 84
TDS	153, 154, 155, 156, 157, 158, 159, 160, 161, 162
TDS sensor	153, 154, 155, 156, 157
temperature	141, 142, 143, 145, 146, 149, 150, 163,168
the energy bandgap	11, 17
the thin layer of barium strontium titanate	11
TiAlN coating	79, 80, 81, 82, 83, 84
titanium	13, 21, 22, 79
uncertainty	97, 98, 100, 101, 102, 103, 104, 105, 106, 107, 124, 130, 131, 137
UV-Vis	109, 110, 111, 112, 115, 116, 163, 164, 165, 166
well-type	129, 130,131, 133, 134, 135, 136, 137, 138
XRD	109, 110, 111, 114, 115, 116, 163, 165, 166, 167

AUTHOR INDEX

A.R. Md. Nizam	79, 75
Agung Pangestu	141
Agus Safril	41
Akrajas Ali Umar	163
Ari Sulistyo Rini	163
Ariep Jaenul	141
Assef Firnando F	129
Ayi Bahtiar	109
Bernadus Bisma Titis Restu Aji	153
Bondan Dwisetyo	97
CahyaWulandari	129
Cherly Salawane	119
Dewi Muliyati	31
Dudi Adi Firmansyah	153
E. Purwandari	87
Erna Kusuma Wati	1
Esmar Budi	79, 85
Fajar Budi Utomo	97
Fitri Afriani	53
Fitria Hidayanti	1, 69
Gigih Baskara	69
Hari Hadi Santoso	69
Kamila Rofa Khairunnisa Ibadurrohman	153
Khairul Habibie	109
Krisman	11
L. Rohman	87, 96
La Isa	21
La Ode Asmin	21
Linda Handayani	61
M. Alfatun N	87
M. Mohd. Razali	79, 85
Maharani Ratna Palupi	97
Merry Suzana	31
Miranti Agustin	163
Mirtha Yunitha Sari Risakotta	119
Muhammad Yusro	141
Muzilman Muslim	31
Ni Larasati Kartika Sari	31
Novi Azman	1
Okky Agassy F	129
R. Pramuji Ramadhani S	129
Rahmi Afrida Syahraini	11
Rahmi Dewi	11
Ramli	53
Ronaldo Talapessy	119
Rustan	61
Suprijanto	153
Supriyadi	119
TS Luqman Husein	11
Widia Nursiyanto	87
Wisnu Djatmiko	141
Yohandri	53, 60
Yulkifli	53, 60
Zulkarnaen	11

AUTHOR GUIDELINES (DOWNLOAD HERE)

SPEKTRA: Jurnal Fisika dan Aplikasinya is a continuously published three times a year scientific journal which is using blind review by system. SPEKTRA accepts original article is dedicated to all physics practitioners includes: Instrumentation and Computational Physics; Material Physics; Medical Physics and Biophysics; Astrophysics; Theoretical Physics; Particle and Nuclear Physics; Environment Physics; Renewable Energy; and other fields related to the application of physics.

The article consists of:

- Title: specific and effective, no more than 30 words, written by capital letters in all words.
- Author's identity: Author's full names (without degree), institutional address (including name institution, address, postal code, city, and country), and author's email must write fully and clearly.
- Abstract: it is written in a paragraph which consists of 250 words maximum. Abstract is written sequentially from background of the study, objective of the study, methods, results, and conclusion.
- The keywords must be included on the same page as abstract. It consists of 3-5 words which are chosen genuinely so that reflects the concept of article.
- Introduction: serves the purpose of leading the reader from a general subject area to a particular field of research. It establishes the context of the research being conducted by summarizing current understanding and background information about the topic, stating the purpose of the work in the form of the hypothesis, question, or research problem, briefly explaining your rationale, methodological approach, highlighting the potential outcomes your study can reveal, and describing the remaining structure of the paper. By introducing and reviewing key sources of prior research in that area to **show where gaps exist or where prior research has been inadequate** in addressing the research problem.
- Figure Caption. Example writing "FIGURE 1," which is the label must be written in capital and bold Times New Roman size 9. If the image has a lot of parts, you can use the label (a), (b), and so on.
- Table Caption. Example writing "TABLE 1," is the label description table bold, and capital. Description flat table placed above the middle of the table.
- Equations should be placed in the middle with his right equation number (flush right). Here are tips on writing an equation in accordance with the template SPEKTRA:
    - Copy, paste, and edit examples of Equation (1) in templates (very are suggested).
    - Manually enter the equation, via the **MathType**
    - Edit the number of equations.
    - Before you manually enter the equation or edit the number of equations please install the MathType. Please download how to install MathType by access http://journal.unj.ac.id/unj/index.php/spektra/equation
- Methods: it discusses the research design, data collection, data sources such as the population and sample, and data analysis. It is written with sentences in paragraphs, not in sequences using points.
- Results: it contains the data and information that has been collected. The finding systematically must be supported by charts, tables, figures or informative illustrations.
- Discussion: it shows a further explanation about the finding. Compare the finding with another research's finding and do not repeat what has been written in finding.
- Conclusion: it should clearly state the result of correlated objective (and may also possible with future direction).
- Reference cited according to IEEE System numbered in accordance with the order of references in the research and in accordance with the sequence number in the bibliography. The number is written before "." dot. In writing the citations and references, authors are recommended to use reference management software, such as Mendeley or Zotero. The reference must include **80 % primary sources in the past 10 years.**
- References: it must be written according to IEEE System, numbered in accordance with the order of references in the research and in accordance with the sequence number in the bibliography.
  This is an example to write the reference:
  [1] J. K. Author, "Title of chapter in the book," in Title of His Published Book, xth ed. City of Publisher, Country if not USA: Abbrev. of Publisher, year, ch. x, sec. x, pp. xxx-xxx.
  [2] J. K. Author, "Title of report," Abbrev. Name of Co., City of Co., Abbrev. State, Rep. xxx, year.
  [3] Name of Manual/Handbook, x ed., Abbrev. Name of Co., City of Co., Abbrev. State, year, pp. xx-xx.
  [4] J. K. Author, "Title of paper," in Unabbreviated Name of Conf., City of Conf., Abbrev. State (if given), year, pp. xxx-xxx.

- Some tips to do a final check of your article before it is submitted to SPEKTRA:
  1. Write down your paper using SPEKTRA Manuscript Template.
  2. Make sure you save as Microsoft Word 1997-2003. If you have size problem, you can save as ".docx".
  3. Create PDF files from your article.

Manuscript Template
Manuscript Template of SPEKTRA available in two version. For authors, please download at the following link.
1) Manuscript Template (English version)
2) Manuscript Template (Bahasa Indonesia version)

IEEE Style Referencing
SPEKTRA using IEEE style of writing citations and bibliography. Instructions of writing citations and bibliography please download at the following link IEEE 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) SPEKTRA (manuscript template) format (Manuscript Template of SPEKTRA).
2) Format of SPEKTRA references list (Refrence Format SPEKTRA).
3) Fill the online form of:
   (i) Authorship Agreement
   (ii) Copyright Statement
   (iii) Ethics Statement
4) Selected paper will be published in SPEKTRA issue: April | August | December (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 SPEKTRA (How to Register in SPEKTRA).
7) Tutorial: submit in SPEKTRA (How to Submit in SPEKTRA).
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 (How to Writing Equation Using MathType)
10) Confirm submitted/revision paper to spektra@unj.ac.id.
11) Any accepted manuscript will be reviewed by at least two reviewers, plus editorial comments. To making a quickly review and publishing process, please following the focus and scope of Spektra. The article will be rejected if the scope does not match with SPEKTRA scope.

SPEKTRA is published in collaboration:

Program Studi Fisika
Universitas Negeri Jakarta

LPPM
Universitas Negeri Jakarta

PSI:
Physical Society of Indonesia

GCD:
Green Circle Digital

9 772541 339130