SUBJECT INDEXES

В

blended learning, 175, 179, 180, 181, 182, 183, 184, 185

bridging course, 146, 147, 148, 149, 153, 154, 155, 156

C

CECT model, 129, 131, 132, 133, 134, 135, 136, 137, 138, 140, 141, 142, 143

CIPP, 114, 119, 120, 122, 125, 128, 146, 148, 149

competitive strategy, 199, 208

critical thinking, 161, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 217, 221

\mathbf{D}

DCP students, 146, 148, 150, 151, 153, 154, 155, 156

digital learning, 212, 213, 214, 218, 223

\mathbf{E}

effective learning, 158, 160

evaluation, 116, 117, 118, 119, 120, 121, 122, 1127, 128, 132, 133, 134, 136, 137, 138, 139, 140, 142, 146, 148, 149, 150, 154, 155, 156, 157, 165, 173, 185, 186, 187, 188, 189, 190, 191, 192, 194, 196, 200, 204, 205, 207, 215, 216, 219, 223, 224

excretory system, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223

F

formative assessment, 165, 186, 188, 196

I

instructional model, 175

interactive, 132, 156, 175, 177, 178, 179, 180, 181, 182, 183, 184, 185, 197, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224

interactive media, 212, 220

L

learning outcome competence level, 158, 172

learning simulation, 158

M

Malcolm Baldrige, 199, 203

mathematics learning, 186

mechanical engineering, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144

metacognition level, 158, 171, 172

P

program effectiveness, 114, 118 program objectives, 114, 119, 120, 121, 122, 124, 125, 126, 127

Q

quasi-experiment, 158, 166, 175, 180

S

SPU, 129, 133, 134, 135, 136, 137, 138, 139, 140, 141, 143, 144

strategic planning, 176, 178, 199, 200, 201, 202, 203, 204, 205, 206, 207, 211

student achievement, 118, 176, 212, 214, 224

students' needs and barriers, 114, 121, 124, 126, 127

Τ

teaching methods, 114, 118, 120, 121, 122, 124, 125, 126, 127, 154, 155, 160

teaching materials, 114, 116, 119, 121, 123, 124, 125, 213

TVE, 199, 201, 202, 203, 204, 206

v

VHS students, 129, 131, 132, 136, 137, 138, 139, 140, 141, 142, 143, 145

virtual laboratory, 212, 214, 222, 223, 224

W

web-based, 175, 177, 178, 179, 180, 181, 182, 183, 184, 185

AUTHOR INDEXES

† Budiyono, Aris, 129

Budijantoro, F. Putut Martin Herry, 212

Edidas, 158

Effendi, Hansi, 175, 179, 184

Irambona, Alfred, 114

Isnaeni, Wiwi, 212

Jailani, 186

Jama, Jalius, 158

Kartowagiran, Badrun, 186, 189, 197

Kumaidi, 114

Mardapi, Djemari, 121, 128, 146, 151, 156, 181, 185, 187, 188, 194, 198

Marianti, Aditya, 212

Pardjono, 129

Perez, Beatriz Eugenia Orantes, 146

Rosnawati, R., 186

Setiawan, Heru, 212

Soenarto, 175

Sofyan, Herminarto, 175

Sugiyono, 129

Suharno, 199

Sukamto, 199

Sutarto, 199

AUTHORS' BIOGRAPHY

Aditya Marianti. Has been working as a lecturer on Animal Physiology in the Department of Biology, Faculty of Mathematics and Natural Sciences, Semarang State University, Indonesia, since 1993. She attained her bachelor degree on Biology Education in Semarang Institute of Teacher Education and Educational Sciences (currently known as Semarang State University), her master degree on Biology in Gadjah Mada University, Indonesia, and her doctoral degree on Environmental Sciences in Diponegoro University, Indonesia. She has been writing and publishing many scientific studies on environmental condition and its impact towards the surroundings, on Animals Physiology, and many more. The researches are published in both accredited and non-accredited national journals, international journals, and also presented in various national and international forums and seminars.

Alfred Irambona. Was born in Burundi, central of Africa, in the southern province of Burundi called Makamba in December 15th, 1979. After his high school education, he attained his bachelor degree in English teaching department in the Institute of Applied Pedagogy at Burundi National University. He finished his master degree in Educational Research and Evaluation at Yogyakarta State University, Indonesia, in 2015.

†Aris Budiyono. Was born on 5 April 1967. He worked as a lecturer in the Department of Mechanical Engineering, Faculty of Engineering, Semarang State University. He attained his doctoral degree in 2015 from Yogyakarta State University, majoring in Vocational Education. He passed away in 2015.

Badrun Kartowagiran. Was born on 25 July 1953. He works as a lecturer in the Faculty of Engineering and Graduate School of Yogyakarta State University, Indonesia. He attained his bachelor degree in 1977 from Yogyakarta Institute of Teacher Education and Educational Sciences (recently known as Yogyakarta State University) majoring in Machine Engineering Education. In 1992, he achieved his master degree on Educational Research and Evaluation from Jakarta Institute of Teacher Education and Educational Sciences (recently known as Jakarta State University). In 2005, he graduated from his doctoral study in Psychology/Psychometrics in Gadjah Mada University, Indonesia.

Beatriz Eugenia Orantes Perez. Was born on February 17th, 1982 in Tuxtla Gutierrez, Chiapas, Mexico. She studied English Education at the State University of Chiapas (UNACH). She has worked as an English Lecturer at the State University of Chiapas. In 2015, she attained her master degree on Educational Research and Evaluation from Yogyakarta State University, Indonesia.

Djemari Mardapi. Works as the current head of department of the Educational Research and Evaluation, in the postgraduate school of Yogyakarta State University, and lecturer in the same department as well as the department of Engineering. Prof. Djemari studied his bachelor degree on Education of Electrical Engineering at the Yogyakarta State University (formerly known as Yogyakarta Institute of Teacher Education and Educational Sciences); and attained a master degree on Educational Research and Evaluation at the same university. Then, he continued his studies of Ph.D on Education, Measurement, and Statistics at the University of IOWA. He has

worked and collaborated in several researches, as well as been publishing many articles focused on research and books.

Edidas. Was born on 9 September 1963. He currently works as a lecturer in the Department of Electronics Engineering, Faculty of Engineering, Padang State University, Indonesia. His undergraduate study concerns in Electronics Engineering Education. His master degree is in the field of Computer Engineering, and his doctoral degree is attained from Yogyakarta State University majoring in Vocational Education.

F. Putut Martin Herry Budijantoro. Currently woks as a lecturer on Ecology, Environmental Sciences, and Innovative Learning Media in the Department of Biology, Faculty of Mathematics and Natural Science, Semarang State University, Indonesia. He attained his bachelor degree on Biology in Gadjah Mada University, Indonesia, and his master degree on Environmental Sciences in the same university. Some of his researches and scientific publications are focused on environmental quality, organic and inorganic waste, nature reserve, and also some researches on the quality improvement of the courses of ecology, environmental sciences, and learning media. Besides his scientific publications in journals, he is also active in many social researches.

Hansi Effendi. Currently works as a teaching staff in the Department of Electrical Engineering, Faculty of Engineering, Padang State University. He has been teaching in the Padang State University since 2002. He was born in Batusangkar, February 11th, 1979. He earned his undergraduate degree in 2001 with major in Electrical Engineering Study Program, Andalas University, Padang. Then, he earned his graduate degree in 2009 with major in the Computer Science Study Program, Graduate Program, Putera Indonesia University, Padang. Next, he earned his postgraduate degree in 2015 with major in Vocational Education Technology Study Program, Postgraduate Program, Yogyakarta State University.

Herminarto Sofyan. Was born on 9 August 1954. He currently works as a senior lecturer in the Department of Automotive Engineering Education of the Faculty of Engineering and Graduate School of Yogyakarta State University, Indonesia. He attained his bachelor degree in 1978 from Yogyakarta Institute of Teacher Education and Educational Sciences (recently known as Yogyakarta State University), majoring in Mechanical Engineering. In 1986, he attained his master degree from Jakarta Institute of Teacher Education and Educational Sciences (recently known as Jakarta State University), majoring in Vocational Education. He achieved his doctoral degree in 2002 from Jakarta State University majoring in Educational Technology.

Heru Setiawan. Was born in Blora, April 24th 1993. His concern in the field of education has led him to attain his bachelor degree on Biology Education, in the Faculty of Mathematics and Natural Sciences, Semarang State University, Indonesia. He is currently active as a researcher in the field of biology education either independently or funded by institutions or the Directorate General of Higher Education of Indonesia. He is also involved in community service activities. In addition, he has experienced in becoming a lecturer assistant in the courses of general biology, genetics, and plant taxonomy. Some of his researches are focused on digital learning and technology.

Jailani. Was born on 27 September 1959. He currently works as a lecturer in the Faculty of Mathematics and Natural Science and the Graduate School of Yogyakarta State University. In

1984, he attained his bachelor degree on Surabaya Institute of Teacher Education and Educational Sciences (recently known as Surabaya State University) majoring in Mathematics Education. In 1990, he graduated from Malang Institute of Teacher Education and Educational Sciences (recently known as Malang State University) achieving his master degree on the same major. In 2002, he achieved his doctoral degree from Yogyakarta State University majoring in Educational Research and Evaluation.

Jalius Jama. Was born on 5 February 1942. He works as a senior lecturer in the Faculty of Engineering, Padang State University. He attained his bachelor degree from Yogyakarta Institute of Teacher Education and Educational Sciences (recently known as Yogyakarta State University), master degree from Sam Houston State University, USA, and his doctoral degree from Ohio State University, USA.

Kumaidi. Was born on March 24th, 1952. He is a current lecturer at Yogyakarta State University and in many other universities, including Muhammadiyah University of Surakarta. As his study background, he attained his bachelor degree at Yogyakarta State University in Mechanical Engineering Education in 1976. In 1984, he achieved his masters degree in Educational Measurement and Statistics, at Iowa University, USA. In 1987, he attained his Ph.D. degree in the same major at the same University in USA. He has made a lot of publications.

Pardjono. Was born on 2 September 1953. He currently works as a senior lecturer in the Faculty of Engineering and Graduate School of Yogyakarta State University. He graduated achieving bachelor degree in 1977 from Yogyakarta Institute of Teacher Education and Educational Sciences (recently known as Yogyakarta State University), Indonesia, majoring in Mechanical Engineering Education. In 1986, he attained master degree in Industrial Arts and Technology Education from State University of New York, USA. His doctoral degree in Cognitive Education was attained in 2000 from Deakin University, Australia.

R. Rosnawati. Was born in Indragiri Hulu, on 20 December 1967. She currently works as a lecturer in the Mathematics Education study program, Faculty of Mathematics and Natural Sciences of Yogyakarta State University, Indonesia. She attained her bachelor degree from Bandung Institute of Teacher Education and Educational Sciences (recently known as Indonesia University of Education) in 1991 majoring in Mathematics Education, her master degree in Mathematics from Gadjah Mada University, Indonesia, in 2000, and her doctoral degree from Yogyakarta State University in 2015 majoring in Educational Research and Evaluation.

Soenarto. Was born on 4 August 1948. He works as a senior lecturer in the Faculty of Engineering and the Graduate School of Yogyakarta State University, Indonesia. He attained his bachelor degree in 1974 from Yogyakarta Institute of Teacher Education and Educational Sciences (recently known as Yogyakarta State University) majoring in Electrical Engineering Education. In 1984, he attained his Master of Science degree in Industrial and Vocational Education from State University of New York, USA. In 1987, he also achieved a Master of Arts degree in Educational Program Evaluation from Ohio State University, USA. His Doctor of Philosophy degree in Industrial Vocational Education was attained in 1988 from Ohio State University, USA.

Sugiyono. Was born on 14 December 1953. He works as a senior lecturer in the Faculty of Engineering, Yogyakarta State University, Indonesia. He attained his bachelor degree in 1977 from Yogyakarta Institute of Teacher Education and Educational Sciences (recently known as Yogyakarta State University) majoring in Mechanical Engineering Education. In 1985, he achieved his master degree from Bandung Institute of Teacher Education and Educational Sciences (recently known as Indonesian University of Education) majoring in Educational Management. His doctoral degree was attained in 1990 from the same major and university.

Suharno. Was born in Sragen on June 3rd, 1971. He earned his undergraduate degree in Engineering Study Program National Technology Academy Yogyakarta. Then, he earned his graduate degree from Engineering Study Program Gadjah Mada University. He earned his postgraduate degree from Technological and Vocational Education Study Program Yogyakarta State University. Recently he is working as a Teaching Staff (Lecturer) in the Engineering Study Program Surakarta State University.

Sukamto. Was born on 25 February 1947. He is a professor in the department of Mechanical Engineering Education of the Faculty of Engineering, Yogyakarta State University.

Sutarto. Was born in Cilacap, Central Java, Indonesia, on 1 September 1953. He currently works as a lecturer in Civil Engineering and Planning Education study program, Faculty of Engineering, Yogyakarta State University. He attained his bachelor degree in Civil Engineering Education from Yogyakarta Institute of Teacher Education and Educational Sciences (recently known as Yogyakarta State University), his master degree in Technology Education from State University of New York (SUNY) at Oswego, USA, and his doctoral degree in Vocational Education from Ohio State University (OSU), Ohio, USA.

Wiwi Isnaeni. Was born in Banyumas, Central Java, in 1958. She currently works as a lecturer in Semarang State University since 1985, focusing on animals physiology. In 1984, she attained her bachelor degree on Biology education from Yogyakarta Institute of Teacher Education and Educational Sciences (currently known as Yogyakarta State University). In 1992, she attained her master degree on Science, majoring in Biology, from Gadjah Mada University, Indonesia. In 2014, she finished her doctoral degree on Educational Research and Evaluation in Yogyakarta State University.

Submission Guidelines

- The manuscript submitted is a result of a research or scientific assessment of an actual issue in the area of research, evaluation, and education in a broad sense, which has not been published elsewhere and is not being sent to other journals.
- Manuscript is accepted in English. Any consistent spelling and punctuation styles may be used. Please use single quotation marks, except where 'a quotation is "within" a quotation'. Long quotations of 40 words or more should be indented without quotation marks.
- A typical manuscript is approximately 8000 words or 12-18 pages including tables, references, captions and endnotes. Manuscripts that greatly exceed this will be critically reviewed with respect to length. (A4; margins: top 3, left 3, right 2, bottom 2; double columns [Except in Abstract: single column]; single-spaced; font: Garamond, 12).
- Manuscripts should be compiled in the following order: (1) title; (2) abstract; (3) keywords; (4) main text: introduction, research method, findings and discussion, conclusion and/or suggestions; (5) references
- The title of the manuscript should clearly represent the content of the article, and contain the **keywords**.
- Authors' name(s) should be written under the title (without any academic degree), along with the affiliation(s) and email address(es).
- An abstract that does not exceed 300 words is required for any submitted manuscript. It is written narratively containing the aim(s), method, and the result(s) of the research.
- Each manuscript should have 3 to 5 keywords written under the abstract.
- All tables and figures are adjusted to the paper length, and numbered referring to the text.
- American Psychological Association (APA) Style format is used.
- The manuscript must be in *.doc or *.rtf, and sent to **REiD's Management** via online submission by creating account in this Open Journal System (OJS) [click **REGISTER** if you have not had any account yet; or click **LOG IN** if you have already had an account].
- Authors' biography must be written narratively, containing each author's full name, degree(s) which were attained, place and date of birth, the last three educational levels which were taken, affiliation/department in which the author is currently working, phone number and email address.
- All Author(s)' names and identity(es) must be completely embedded in the form filled in by the corresponding author: email; affiliation; and each author's short biography (in the column of 'Bio Statement'). [if the manuscript is written by two or more authors, please click 'Add Author' in the 3rd step of 'Enter Metadata' in the submission process and then enter each author's data.]
- (If any) The funding or grant-awarding bodies is acknowledged in the column of **'Contributors and Supporting Agencies'** when entering metadata in the Open Journal System (OJS) of the journal. For single agency grants: "This work was supported by the [Name of Funding Agency] under Grant [number xxxx]."
- All correspondences, information and decisions for the submitted manuscripts are given through email written in the manuscript and/or the emails used for the submission.
- Word template is available for this journal. If you have template queries, please contact reid.ppsuny@gmail.com