

## Table of Contents

|                                                                                                                                                                                                           |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Cover page .....                                                                                                                                                                                          | i     |
| Title page .....                                                                                                                                                                                          | ii    |
| Preface .....                                                                                                                                                                                             | iii   |
| Table of Contents .....                                                                                                                                                                                   | iv    |
| Initiating Cultural-Based Character Learning In Primary School                                                                                                                                            |       |
| <i>Masrukhi</i> .....                                                                                                                                                                                     | 1-17  |
| Spatial quotient improvement through the development of brainstorming<br>learning method based on software graphmatica research operation linear<br>program                                               |       |
| <i>Abdul Aziz<sup>1*</sup>, Iswahyudi Joko Suprayitno<sup>2</sup></i> .....                                                                                                                               | 18-21 |
| Characterization of reference electrode ag/agcl dry type by cyclic voltammetry                                                                                                                            |       |
| <i>Herawati<sup>1*</sup>, B. Buchari<sup>2</sup>, I. Noviadri<sup>3</sup></i> .....                                                                                                                       | 22-26 |
| Character education: the analysis of archival work experiences using<br>cipp model at UPBJJ-UT Semarang                                                                                                   |       |
| <i>Hascaryo Pramudibyanto<sup>1</sup>, Eko Andy Purnomo<sup>2</sup></i> .....                                                                                                                             | 27-31 |
| Reflective pedagogy paradigm: studi kasus pembelajaran kimia organik<br>di Universitas Muhammadiyah Semarang                                                                                              |       |
| <i>Eko Yuliyanto<sup>1*</sup>, Fitria Fatichatul Hidayah<sup>2</sup>, Enade Perdana Istyastono<sup>3</sup>,<br/>    Yosef Wijoyo<sup>4</sup>, Titien Siwi Hartayu<sup>5</sup></i> .....                   | 32-44 |
| A study on teachers' competency in teaching english at SMA Negeri 2                                                                                                                                       |       |
| <i>Hendrik a.e.lao<sup>1*</sup>, Gres Jekstman K.<sup>2</sup>, Agapito Da Costa J.<sup>3</sup></i> .....                                                                                                  | 45-50 |
| Developing students' ability to master english idioms using songs and<br>pictures                                                                                                                         |       |
| <i>Dian Candra Prasetyanti<sup>1</sup>, Riana Eka Budiastuti<sup>2</sup>, Siti Aimah<sup>1*</sup></i> .....                                                                                               | 51-54 |
| Evaluasi pendidikan karakter pada pembelajaran matematika dasar perguruan<br>tinggi dengan metode cse-ucla                                                                                                |       |
| <i>Martyana Prihaswati<sup>1*</sup>, Eko Andy Purnomo<sup>2</sup>, Sukestiyarno<sup>3</sup>, Mulyono<sup>4</sup></i> .....                                                                                | 55-60 |
| The effect of youth attitudes toward the behaviour prevention of sexually<br>transmitted diseases in the 3rd grade of the islamic senior high school (MA)<br>"X", Sub-District of Mranggen, Demak Regency |       |
| <i>Dewi Puspitaningrum<sup>1*</sup>, Eka Oktavia Puspitasari<sup>2</sup>, Agustin Rahmawati<sup>3</sup></i> .....                                                                                         | 61-64 |
| The extraction of dried lemongrass ( <i>cymbopogon citratus</i> ) with distilled<br>water as a repellent to reduce diseases caused by bites of mosquitoes<br>( <i>culicidae</i> ) in Indonesia            |       |
| <i>Ibnu Najib<sup>1*</sup>, Retno Nur Fauziah<sup>2</sup>, Khairunnisa Arrachman<sup>3</sup></i> .....                                                                                                    | 65-69 |

|                                                                                                                                                                                                        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| The relationship between exercise frequency with the menstrual cycle of the adolescent on pencak silat group                                                                                           |         |
| <i>Machmudah<sup>1</sup>, Fitri Yanna<sup>2</sup>, Pawestri<sup>3</sup></i> .....                                                                                                                      | 70-76   |
| The enrichment of calcium with duck eggshell and sensory characteristic on product based on corn sprout flour and soybean sprout flour                                                                 |         |
| <i>Siti Aminah<sup>1*</sup>, Wulandari Meikawati<sup>2</sup></i> .....                                                                                                                                 | 77-83   |
| Systematic review of studies mamae cancer: a nursing review                                                                                                                                            |         |
| <i>Tri Nurhidayati<sup>1</sup>, Desy Ariyana Rahayu<sup>2*</sup></i> .....                                                                                                                             | 84-87   |
| A novel method for the growth of zsm-5 membranes on stainless steel supports by coating on reactor vessel with surface-to-volume ratio of synthesis governing low temperature crystallization of zsm-5 |         |
| <i>Ana Hidayati Mukaromah<sup>1*</sup>, Tulus Ariyadi<sup>2</sup></i> .....                                                                                                                            | 88-94   |
| The urgency of pregnancy risk factors booklet                                                                                                                                                          |         |
| <i>Indri Astuti Purwanti<sup>1*</sup>, Nuke Devi Indrawati<sup>2</sup>, Arief Tajally Adhiatma<sup>3</sup></i> .....                                                                                   | 95-98   |
| Potential hazard analysis profession radiographer at demak hospital                                                                                                                                    |         |
| <i>Rifki Arfianto<sup>1*</sup>, Bina Kurniawan<sup>2</sup>, Diki Bima Prasetyo<sup>3</sup></i> .....                                                                                                   | 99-104  |
| Physical and Organoleptic Characteristics of Poultry Eggshell Powder Extracted with CH <sub>3</sub> COOH and NaOH                                                                                      |         |
| <i>Diode Yonata<sup>1*</sup>, Siti Aminah<sup>1</sup>, Wifaqyatul Ainiyah<sup>1</sup>, Afrilia Arifatul Lael<sup>1</sup>, Anita Rahma Riyani<sup>1</sup></i> .....                                     | 105-109 |
| Implementation Of The AHP Method And Decision Table To Determine The Problem Student                                                                                                                   |         |
| <i>Heribertus Ary Setyadi<sup>1</sup>, Agus Kristianto<sup>2</sup></i> .....                                                                                                                           | 110-115 |
| Adsorption of Carbon Monoxide (CO) in ZSM-5 Membrane on Smoking Area                                                                                                                                   |         |
| <i>Azizah, I. H<sup>1</sup>, Fannya, G.R<sup>2</sup>, and Mindhumalid T<sup>1*</sup></i> .....                                                                                                         | 116-118 |
| Fourier Series Nonparametric Regression For The Modelizing Of The Tidal                                                                                                                                |         |
| <i>Tiani Wahyu Utami<sup>1</sup>, Indah Manfaati Nur<sup>2</sup>, Ismawati<sup>3</sup></i> .....                                                                                                       | 119-123 |
| Geographically Weight Regression Applications For Spatial Analysis Of Inequality In Central Java                                                                                                       |         |
| <i>Lia Miftakhul Janah<sup>1</sup>, M. Saifudin Nur<sup>2</sup>, Tiani Wahyu Utami<sup>3</sup></i> .....                                                                                               | 124-128 |
| Medina (Medical Instant Pashmina) Hijab for Medical Personnel                                                                                                                                          |         |
| <i>Sandrarisza Yuvike Limita<sup>1</sup>, Fairuz Febrita Dinarsari<sup>1</sup>, Tiga Putu Rona<sup>1</sup>, Achmad Aunul Halimi<sup>1</sup></i> .....                                                  | 129-130 |
| Injection Moulding Of Pla (Polylactic Acid) Reinforced Bacterial Cellulose Fiber From Nata De Coco Biocomposites                                                                                       |         |
| <i>Dini Cahyandari</i> .....                                                                                                                                                                           | 131-133 |

|                                                                                                                          |         |
|--------------------------------------------------------------------------------------------------------------------------|---------|
| Ratu Pirakas Rak Sepatu Pipa Paralon Bekas (Parallel Pipe Shoe Rack)                                                     |         |
| <i>Miftahurrohman<sup>1</sup>, Tin Rosidah<sup>2</sup>, Erlina<sup>3</sup>, Tsania Filhil Masyhana<sup>4</sup></i> ..... | 134-138 |
| Support Vector Machine For Classification Of Pulmonary Tuberculosis                                                      |         |
| In Semarang                                                                                                              |         |
| <i>Moh. Yamin Darsyah<sup>1</sup>, and Yuni Nurkuntari<sup>2</sup></i> .....                                             | 139-143 |
| Physical and Organoleptic Characteristics of Poultry Eggshell Powder                                                     |         |
| Extracted with CH <sub>3</sub> COOH and NaOH                                                                             |         |
| <i>Sulistiyowati</i> .....                                                                                               | 144-150 |
| Modelling Gross Domestic Regional Bruto In East Java Province using                                                      |         |
| Spatial Regression                                                                                                       |         |
| <i>Abdul Karim</i> .....                                                                                                 | 151-156 |
| Effect Of Spatial Autocorrelation Structure Of Employment In Central Java                                                |         |
| <i>Devi Sumayya Sara<sup>1*</sup>, Abdul Karim<sup>2</sup></i> .....                                                     | 157-161 |
| Directive Acts Form In Linda Press Wulf's Novel "The Night of the Burning"                                               |         |
| <i>Fitria Putri Piskasari<sup>1*</sup>, Siti Nuraeni<sup>1</sup>, Intan Sukma Irani<sup>1</sup>,</i>                     |         |
| <i>Yesika Maya Ocktarani<sup>1</sup></i> .....                                                                           | 162-165 |
| The Rent Cost Structure Analysis Of Asset Owned By Semarang Regional                                                     |         |
| <i>Hardiwinoto<sup>1*</sup>, Akhmad Fathurohman<sup>2</sup>, Ery Wibowo<sup>3</sup></i> .....                            | 166-174 |
| Contextual teaching : the student responses on application teaching materials                                            |         |
| using lineaver (lindo and excel solver)                                                                                  |         |
| <i>Venissa Dian Mawarsari<sup>1</sup>, Dwi Sulistyaningsih<sup>2</sup></i> .....                                         | 175-179 |
| Local wisdom: exploration of indigenous science at central java salt farmers                                             |         |
| condition in the traditional salt production to enhance teaching materials                                               |         |
| <i>Fitria Fatichatul Hidayah<sup>1*</sup>, Eko Yuliyanto<sup>2</sup>, Muhammad Imaduddin<sup>3</sup></i> .....           | 180-189 |
| Effectiveness of Chromatographic Method for Ordering Secondary Metabolite                                                |         |
| Compounds on Plant ( <i>Peperomia Pellucida</i> L.) with Methanol Solutions                                              |         |
| <i>Lutfiana Kartika Dewi<sup>1</sup>, Muhammad Ghufro<sup>2</sup>, Ngain Kristin<sup>3</sup></i> .....                   | 190-195 |
| Quantitative Analysis Of Amorphous Calcium Carbonate Precipitate With                                                    |         |
| The Presence Of Alumina In The Flow Water                                                                                |         |
| <i>S. Raharjo</i> .....                                                                                                  | 196-201 |