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THE DEVELOPMENT AND ITS IMPACT OF JAVA 2 MICRO EDITIONBASED MEDIA FOR MOBILE CHEMISTRY ENCYCLOPEDIA TO SENIOR HIGH SCHOOL STUDENT LEARNING
(Amalia Nugrahaeni and Jaslin Ikhsan) ........................................................................ 311

THE DEVELOPMENT OF CHARACTER-BASED MOBILE GAME “ROBOCHEM” ON THE REACTION RATE TOPIC AND THE RESPONSE OF GRADE 11TH STUDENTS TO THE GAME
(Septi Riyannahsiah and Jaslin Ikhsan) ........................................................................ 320

THE QUALITY OF CONTENT AND PERFORMANCE OF MODULES EVOLUTION
(Ucu Rahayu, Mestika Sekarwinahyu) ........................................................................ 329

THE EFFECT OF IMPLEMENTATION OF J2ME - BASED MOBILE ENCYCLOPEDIA “CHEMISTCLOPEDIA” AS INDEPENDENT CHEMISTRY LEARNING MEDIA FOR SENIOR HIGH SCHOOL STUDENTS
(Melita Rachma and Jaslin Ikhsan) ........................................................................ 346

THE ANALYSIS OF MATHEMATICS TEACHERS’ DIFFicultIES IN SOLVING MATHEMATICAL PROBLEMS
(Fauzia Rahmawati, Heri Retnawati) ........................................................................ 353

INNOVATIVE TEACHING LEARNING IN LANGUAGES AND ART

THE INTRODUCTION OF INDONESIAN CULTURE IN BAHASA INDONESIA CLASS FOR SPEAKERS OF OTHER LANGUAGES BY USING THE CULTURAL COMPONENTS AT ISI YOGYAKARTA
(Prima Dona Hapsari) ........................................................................ 361

IDENTIFYING THE CHALLENGES OF UNDERGRADUATE STUDENTS IN WRITING RESEARCH PROJECTS : A PRELIMINARY STUDY
(Eny Winarti) ........................................................................ 374

PROMOTING SARJANA [UNDERGRADUATE] PAPER WRITING SKILL THROUGH THE INDIGENOUS WISDOM KATRESNANISM BASED APPROACH : A CASE STUDY IN POETRY CLASS OF PBI USD YOGYAKARTA
(Antonius Herujiyanto) ........................................................................ 383

A GRAMMATICAL ANALYSIS OF CODE SWITCHING PRACTICES EMPLOYED BY ENGLISH TEACHERS OF SENIOR HIGH SCHOOLS IN YOGYAKARTA
(Margana) ........................................................................ 396
THE EFFECT OF IMPLEMENTATION OF J2ME-BASED MOBILE ENCYCLOPEDIA "CHEMISTCLOPEDIA" AS INDEPENDENT CHEMISTRY LEARNING MEDIA FOR SENIOR HIGH SCHOOL STUDENTS

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ABSTRACT

The improvement of Information Communication Technology (ICT) affects the development of learning media, including chemistry learning media. Mobile chemistry media have not been much developed yet unlike the increase of the use of mobile phone in Indonesia. This research aims to measure the effect of the use of Chemistry encyclopedia called Chemistclopedia application to high school students chemistry learning. The Chemistclopedia application is on the topic of chemical elements, and was field-tested to 30 high school students at SMAN 1 Sedayu, Bantul, Yogyakarta. The data about student’s learning interest, attitude, motivation, independence, flexibility and style were collected using a set of questionnaire and analyzed using descriptive statistic. This study shows that 87.60% of the students strongly agreed (SA) with the use of Chemistclopedia application because it can affect students’ learning interest, learning motivation, learning independence, learning flexibility, learning attitude and learning styles of Chemistry.

Keywords: java 2 micro edition (J2ME), chemistry, learning media, Chemistclopedia, mobile application.