

ABSTRACT

Designing Digital Application-Based Educational Games About Chemical Elements on The Periodic Table

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The periodic table is an arrangement of the chemical elements arranged in a tabular form based on their atomic number. This periodic table also reveals the principles of the organization of matter, so it can be said that all chemistry begins with the periodic table. This makes the periodic table the most important thing for students to learn. One method that is often used in studying the periodic table is to combine the chemical elements in each group into a sentence and memorize it or also known as the Donkey Bridge method. By learning this method can affect the mood of students. So, it is necessary to have more varied and fun learning method to help students understand the subject matter. Nowadays, smartphones are a part of a student's life. With the many features offered, it is not uncommon to find students who are busy playing with their smartphones. So, game-based learning apps on smartphones will make students have more varied and educational game options.

Keywords : Periodic Table, Chemical Elements, Game-Based Learning

Libraries : 23

Publication Years : 1986 - 2019