

**THE PROFILE OF 8TH JUNIOR HIGH SCHOOL STUDENTS' QUESTION SKILL
BASED ON QUESTION CATEGORY SYSTEM FOR SCIENCE (QCSS) ON HUMAN
RESPIRATORY**

RESEARCH PAPER

Submitted as Requirement to Obtain Degree of *Sarjana Pendidikan* in
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**INTERNATIONAL PROGRAM ON SCIENCE EDUCATION
FACULTY OF MATHEMATICS AND SCIENCE EDUCATION
UNIVERSITAS PENDIDIKAN INDONESIA
2021**

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*THE PROFILE OF 8TH JUNIOR HIGH SCHOOL STUDENTS' QUESTION SKILL BASED ON QUESTION CATEGORY
SYSTEM FOR SCIENCE (QCSS) ON HUMAN RESPIRATORY*

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Skripsi ini diajukan untuk memenuhi salah satu syarat
memperoleh gelar Sarjana Pendidikan
pada Program Studi International Program on Science Education (IPSE)
Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam

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July 2021

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RESPIRATORY**

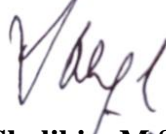
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DECLARATION

I hereby declare that everything is written in this research paper entitled "profiling of 8th junior high school students' question skill based on question category system for science (QCSS) on human respiratory" is really the product of my original thought, action, study, work, and is not copied or plagiarized. From another document. The views or conclusions of those involved in this review have been cited or discussed in the light of the scientific and ethical codes of ethics that apply in the scientific community. This statement is made honestly and on purpose. Therefore, I am willing to take responsibility and agree that academic sanctions are in accordance with the relevant laws if a violation of scientific ethics is later identified or if there are other arguments about the validity of the article.

Bandung, 15 July 2021

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THE PROFILE OF 8TH JUNIOR HIGH SCHOOL STUDENTS' QUESTION SKILL BASED ON QUESTION CATEGORY SYSTEM FOR SCIENCE (QCSS) ON HUMAN RESPIRATORY

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ABSTRACT

Questions in science learning are an undeniable need. Improving understanding and thought processes will be greatly helped by the habit of asking questions. Regarding questions skills in science education. There are various types of questions, but the extent to which students' questioning skills are currently rarely analysed. Therefore, this study aims to analyse the student's question skills. identifying three levels of questions using the Question Category System for Science. The Question category for science (QCSS) is used as a rubric for analysing questions, with scientific articles on the topic of the human respiratory system. A total of 100 students with a total of 572 questions were analysed. The results showed that as many 77% of closed questions in the first article and 79% of closed questions in the second article were asked by students, with an analysis at the second level of 77% in the first and second articles. as many 74% of the questions included in the type of cognitive memory operation. While the third level questions are dominated by the type of CMO1 questions, namely (remembering including repeating and imitating, memorizing definitions) as much 64% in the first article and as much 55% in the second article. These results show the analysis of questions using QCSS can show that students are dominated by low-level questioning training which aims to develop search skills because one of the closed-type questions is looking for differences or similarities. Although there have two articles that have the possibility to ask high-level questions.

Keyword: Students' Question Skill, QCSS, Scientific Article, Human Respiratory System

PROFIL KETERAMPILAN BERTANYA SISWA SMP KELAS 8 BERDASARKAN SISTEM KATEGORI PERTANYAAN UNTUK SAINS (QCSS) PADA PERNAPASAN MANUSIA

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ABSTRAK

Pertanyaan dalam pembelajaran IPA merupakan kebutuhan yang tak terbantahkan. Meningkatkan pemahaman dan proses berpikir akan sangat terbantu dengan kebiasaan bertanya. Mengenai keterampilan dalam pendidikan sains. Ada berbagai jenis soal, namun sejauh mana keterampilan bertanya siswa saat ini jarang dianalisis. Oleh karena itu, penelitian ini bertujuan untuk menganalisis kemampuan siswa dalam mengajukan pertanyaan. Pertanyaan yang diajukan oleh siswa, mengidentifikasi tiga tingkat pertanyaan menggunakan Sistem Kategori Pertanyaan untuk Sains. Question category for science (QCSS) digunakan sebagai rubrik untuk menganalisis pertanyaan, dengan artikel ilmiah yang berisi topik sistem pernapasan manusia. Sebanyak 100 siswa dengan total 572 pertanyaan dianalisis. Hasil penelitian menunjukkan bahwa sebanyak 77% pertanyaan tertutup pada artikel pertama dan 79% pertanyaan tertutup pada artikel kedua ditanyakan oleh mahasiswa, dengan analisis pada level kedua sebesar 77% pada artikel pertama dan kedua. sebanyak 74% pertanyaan termasuk dalam jenis operasi memori kognitif. Sedangkan soal tingkat ketiga didominasi oleh jenis soal CMO1 yaitu (mengingat termasuk mengulang dan meniru, menghafal definisi) sebanyak 64% pada artikel pertama dan sebanyak 55% pada artikel kedua. Hasil ini menunjukkan analisa pertanyaan dengan menggunakan QCSS dapat menunjukan hasil bahwa siswa didominasi oleh pelatihan bertanya tingkat rendah yang bertujuan untuk mengembangkan keterampilan pencarian karena salah satu pertanyaan tipe tertutup adalah mencari perbedaan atau persamaan. Meskipun telah di sediakan sumber belajar yaitu dua buah artikel yang memiliki kemungkinan untuk bertanya tingkat tinggi.

Kata Kunci: Keterampilan Bertanya Siswa, QCSS, Artikel Ilmiah, Sistem Pernapasan Manusia

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