



The Dangers of Cigarette Smoke and the Role of Guided Inquiry for Prevention and Other Prevention

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ABSTRACT (9 pt)

Objective: The objectives are to discover the health impact of cigarette smoke, the factors make adolescents' smoking behavior, how guided inquiry and other rules for preventing smoking behavior. **Method:** This research uses a literature review research method or literature study, collecting several sources that can later be used as a reference. This research is obtained from the seventy-five journals reviewed. **Results:** Based on the literature review, so many bad impacts of cigarette smoke on health. Mostly factor in smoking behavior is an advertisement of cigarettes. Preventive ways to stop adolescents smoking behavior are also available. But the most effective ways are school-based learning. Primarily health education with guided inquiry learning based. **Novelty:** Previous research by another researcher does not sufficiently explain the factors of adolescent smoking behavior; the previous research also does not mention the prevention of that behavior. This research shows the health impact of smoking and prevention in social life, and this research shows the role of guided inquiry for prevention.

INTRODUCTION

Indonesia as a country that produces and consumes tobacco is included in the highest category in terms of tobacco consumption. According to statistical data from the Indonesian Central Statistics Agency, in 2021, 28.96% of Indonesia's population aged 15 years, increasing are smokers. A large number for the country with the fourth-largest population in the world (BPS (Badan Pusat Statistik Indonesia), 2021). While more than 480,000 deaths each year in the United States are caused by smoking, this is almost one in five deaths in a single day. Smoking causes more deaths than the following causes combined: Deaths from exposure to the Human Immunodeficiency Virus (HIV), Alcohol use, Motor vehicle accidents, Drug use, and Gun-related incidents (CDC (Centers for Disease Control dan Prevention), 2021).

Education about the dangers to the health of smoking must be part of it to reduce or stop that smoking behavior. Researchers believe that guided inquiry has many advantages that can be applied to that objective. The researcher's opinion is supported by previous research, according to Komariyah & Syam, (2016) research that guided inquiry through science learning; good science learning must be more student-oriented (student-centred). The role of the teacher is as a provider of information and a center of assistance so that students' learning experiences can improve. Through the Guided inquiry model, students master scientific concepts and are trained to research questions using existing facts and the role of the teacher as a guide. This is in line with Destryani et al. (2022) research; students' activities with guided inquiry based on animal respiration practicum significantly improve the generic science skills.

Amijaya et al. (2018) have argued that the guided inquiry learning model positively influences the learning outcomes and students' critical thinking skills. This is in line

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