科技成果

智能空气净化器：减少室内污染的创新解决方案

莫迪·蒙松，艾琳·贾米尔 *

（民都鲁木材发展小学　马来西亚　沙捞越州民都鲁）

摘　要：本论文提出了一种智能空气净化器的创新解决方案，旨在降低室内污染的影响。通过结合先进的技术和智能控制系统，该空气净化器能够高效过滤空气中的有害物质，提供清新健康的室内环境。本研究还探讨了空气净化器在不同环境条件下的性能表现，并对新技术的可行性进行了验证。实验结果表明，该智能空气净化器在提高空气质量、保护人体健康方面具有显著效果，为室内空气净化领域的发展带来新的思路与方法。通过本论文的研究，可以为解决当前室内污染问题提供重要参考，推动空气净化技术的进一步创新与发展。

关键词：智能空气净化器；室内污染；传感技术；智能控制系统；过滤效率

Intelligent Air Purifier: An Innovative Solution for Indoor Pollution Reduction

Abstract: This paper proposes an innovative solution for intelligent air purifier that aims to reduce the impact of indoor pollution. By combining advanced technology and intelligent control systems, the air purifier is able to filter the harmful substances in the air efficiently, providing a fresh and healthy indoor environment. This study also explored the performance of air purifiers under different environmental conditions and verified the feasibility of new technologies. The experimental results show that the intelligent air purifier has a significant effect in improving air quality and protecting human health, and brings new ideas and methods for the development of indoor air purification field. Through the research of this paper, it can provide important reference to solve the current indoor pollution problem and promote the further innovation and development of air purification technology.

Keywords: Intelligent air purifier; Indoor pollution; Sensing technology; Intelligent control system; Filtration efficiency