

Suitable Indoor Plants for Green Office Development in Faculty of Science and Technology, Suan Sunandha Rajabhat University, Thailand

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Abstract : Nowadays, green office principles are very broadly initiated in many offices, organizations, as well as in universities. The concepts of green office are composed of seven prominent issues. One of them, physical implementation, is to develop a pleasant atmosphere for staff in the faculty with selected optimum plant species for the office. 50 species from NASA research and other documents were studied for the selection criteria of plants which were appropriate for specific locations in order to reduce indoor air pollutants such as formaldehyde, benzene, and trichloroethylene. For the copy and examination preparation room in which particulate matter and volatile organic compounds can be found, some plants such as peace lily, gerbera daisy, and bamboo palm should be set, which are very effective in treating trichloroethylene. For common rooms and offices where formaldehyde can be found, which is generated from many building materials, bamboo palm, mother-in-law's tongue, peace lily, striped dracaena, cornstalk plant, golden pathos, and green spider plant should be set.

Keywords : indoor plants, indoor air quality, phytoremediation, green office

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