

PROJECT PET HOUSE, A RESEARCH INNOVATION ON TACKLING PLASTIC POLLUTION IN NIGERIA

Abdul Hamidu Abdullahi, Sodiq Jinad, Erioluwa David, Abubakar Rofiyat, Ekundayo Solomon

Department of Local Government and Development Studies,
Faculty of Administration. Kongo Campus,
Ahmadu Bello University, Zaria. Kaduna State. Nigeria

Corresponding author email: abdulhamidu2020@gmail.com

The Project PET House initiative aims to permanently remove about 35,000 PET bottles, along with other non-biodegradable wastes in the environment, to construct a sustainable and eco-friendly building. To attain the research, the Project experimented with the construction of an eco-friendly seating slab using waste plastic bottles. The research will employ mixed methods based on the theoretical framework of the Triple Bottom Line approach (Elkington, 1997). The Project PET House is an environmental social-impact research initiative of Plogging Nigeria Club – Ahmadu Bello University, Zaria - Nigeria, aimed at retrieving indiscriminately disposed plastic bottles and other non-biodegradable wastes from the environment for the construction of an eco-friendly plastic house. The Socio-environmental project is meant to determine the extent to which there will be a reduction in plastic pollution by repurposing. Facilitate the engagement of youths and women in climate-smart skills, improve environmental sanitation and cleanliness, and contribute to climate action and sustainability. The execution of the project will involve the reuse and repurposing of generated wastes such as PET bottles and Polythene bags, which extensively contribute to promoting a Circular Economy.

Citation: Abdullahi et al. ASFI Annual Conference and Boot Camp, 28th-30th November 2023



Copyright: © 2024 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

Keywords: Climate Smart Skills, Pet House, Pollution, Pet bottles, Women & Youths.
