

Hydroponic Vegetable Cultivation Training at Pondok Pesantren Barokah Kalimasada, Sleman

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ABSTRACT

This activity aims to provide knowledge about hydroponic cultivation of vegetables, types of plants that can be cultivated hydroponically, and how to prepare hydroponic planting media for residents of the Barokah Kalimasada Islamic Boarding School, Ngaglik, Sleman and the communities around the Barokah Kalimasada Islamic Boarding School. and provide an understanding of the importance of growing vegetables as a living necessity and maintaining health

This activity was carried out at the Barokah Kalimasada Islamic Boarding School, Ngaglik, Sleman, which was attended by the residents of the Islamic Boarding School and the community around the Islamic Boarding School. This activity was carried out online (in a network) because of the Covid-19 Pandemic with a series of material delivery with presentations, demonstrations on campus which were attended directly by training participants, namely students and the community around the Barokah Kalimasada Islamic Boarding School. Presentation and discussion materials included types of materials and tools used, procurement and preparation of tools and materials, procurement of seeds and seeds for hydroponics, understanding of vegetables whose planting can be done hydroponically, preparing hydroponic solution mixtures, managing fluids for hydroponics, harvesting hydroponic vegetables and handling post-harvest hydroponic vegetables. Demonstrations started from how to make media from used beverage bottles, preparing materials, making flannel fabrics to absorb nutrients into plants, to planting seedlings into bottles and onto floating raft media. Individual and group practices are carried out directly from the Barokah Islamic Boarding School by planting vegetables hydroponically in used beverage bottles and in floating raft media with plastic tubs, the results are cooked by themselves for the needs of the boarding school residents. The vegetables planted are Pakcoy salad and mustard greens.

The results of the activity show that through hydroponic cultivation of vegetables, you can choose vegetables that are suitable for the needs of the residents of the Islamic boarding school so you don't have to buy vegetables from the market anymore. In addition, it is also used to utilize inorganic waste in the form of used beverage bottles and aqua glasses. In addition, it can also be used as a practical activity for the residents of the Pondok Pesantren to meet the needs of vegetables that are cooked by themselves for the eating needs of all residents of the Barokah Kalimasada Islamic Boarding School.

Kata Kunci: Hydroponics, Pondok Pesantren Barokah Kalimasada, floating raft