

## ABSTRAK

**Ahmad Sulaiman, NIM 4203520023 (2020), Pengaruh Pemberian Pupuk Organik Cair Limbah Kulit Bawang Merah Terhadap Pertumbuhan Dan Produksi Tanaman Tomat Cherry Varietas Ruby.**

Penelitian ini dilaksanakan di UPT. Balai Pelaksana Penyuluhan Ketahanan Pangan Pertanian dan Perikanan (BP2KP3) di Jl. Keramat Indah Medan Tenggara, Kec. Medan Denai, Kota Medan, Sumatera Utara. Pada bulan April hingga Agustus 2024. Penelitian bertujuan untuk melihat pengaruh pemberian pupuk organik cair limbah kulit bawang merah terhadap pertumbuhan dan hasil produksi tanaman tomat cherry varietas Ruby. Penelitian yang digunakan adalah Rancang Acak Kelompok (RAK), dengan 4 perlakuan dan 6 pengulangan sehingga diperoleh 24 tanaman sampel. Perlakuan yang diberikan yaitu: P0 (kontrol), P1 (100 ml), P2 (150 ml) dan P3 (200 ml). Dari hasil penelitian pupuk organik cair limbah kulit bawang merah berpengaruh nyata terhadap parameter tinggi tanaman, jumlah cabang, jumlah daun, jumlah bunga, jumlah buah dan berat buah. Konsentrasi paling optimal pada perlakuan P3 (200 ml).

**Kata Kunci:** *Limbah kulit bawang merah, pupuk cair organik, pertumbuhan dan produksi tanaman tomat cherry*



## ABSTRACT

**Ahmad Sulaiman, NIM 4203520023 (2020), The Effect of Providing Liquid Organic Fertilizer from Onion Peel Waste on the Growth and Production of Ruby Variety Cherry Tomato Plants.**

This research was carried out at UPT. Agricultural and Fisheries Food Security Extension Implementation Center (BP2KP3) on Jl. Keramat Indah Medan Tenggara, Kec. Medan Denai, Medan City, North Sumatra. From April to August 2024. The research aims to see the effect of applying liquid organic fertilizer from onion skin waste on the growth and production of Ruby variety cherry tomatoes. The research used was a Randomized Block Design (RAK), with 4 treatments and 6 repetitions to obtain 24 sample plants. The treatments given were: P0 (control), P1 (100 ml), P2 (150 ml) and P3 (200 ml). From the research results, it was concluded that liquid organic fertilizer from onion skin waste had an effect on the parameters of plant height, number of branches, number of leaves, number of flowers, number of fruit and fruit weight. The most optimal concentration was in treatment P3 (200 ml).

**Keywords:** *Onion skin waste, organic liquid fertilizer, growth and production of cherry tomatoes*

