

ABSTRACT

The impact of climate variability on life has been widely studied. Climate variability has an impact on urban agriculture. This study aims (1) to determine the level of knowledge of climate variability in urban agriculture actors in the city of Yogyakarta, (2) to determine the perceptions of urban agricultural actors about the impact of climate variability on urban agriculture in the city of Yogyakarta, (3) to determine the level of sustainability of urban agriculture based on perceptions of urban agricultural actors in the city of Yogyakarta, (4) to determine the factors that influence the sustainability of urban agriculture based on the perceptions of urban agricultural actors in the city of Yogyakarta. The research sample was taken using simple random sampling method. This study was designed as a descriptive study with a sample of 97 urban agriculture actors in the city of Yogyakarta. Data were collected using interviews, observation, recording, and literature study. Then analyzed using qualitative descriptive analysis and multiple linear regression analysis. The results showed that the level of knowledge of urban agricultural actors about climate variability was moderate. The perception of the impact of climate variability on urban agriculture is high. Then the level of sustainability of urban agriculture based on the average ecological, economic, and social dimensions is included in the very sustainable category. The factors that influence the sustainability of urban agriculture based on the ecological dimension are gender and perceptions of the impact of climate variability. The factors that influence the sustainability of urban agriculture based on the economic dimension are the amount of cultivation technology, the level of knowledge of climate variability, and the perception of the impact of climate variability. The factors that influence the sustainability of urban agriculture based on the social dimension is the level of knowledge of climate variability. The factors that influence the sustainability of urban agriculture based on ecological, economic, and social dimensions are the amount of cultivation technology, the level of knowledge of climate variability, and the perception of the impact of climate variability.

Keywords: knowledge, impact, climate variability, sustainability, urban agricultural

INTISARI

Dampak variabilitas iklim terhadap kehidupan telah banyak diteliti. Variabilitas iklim memiliki dampak terhadap pertanian perkotaan. Penelitian ini bertujuan (1) untuk mengetahui tingkat pengetahuan variabilitas iklim pada pelaku pertanian perkotaan di Kota Yogyakarta, (2) untuk mengetahui persepsi pelaku pertanian perkotaan tentang dampak variabilitas iklim terhadap pertanian perkotaan di Kota Yogyakarta, (3) untuk mengetahui tingkat keberlanjutan pertanian perkotaan berdasarkan persepsi pelaku pertanian perkotaan di Kota Yogyakarta, (4) untuk mengetahui faktor – faktor yang mempengaruhi keberlanjutan pertanian perkotaan berdasarkan persepsi pelaku pertanian perkotaan di Kota Yogyakarta. Sampel penelitian diambil dengan menggunakan metode *simple random sampling*. Penelitian ini dirancang sebagai penelitian deskriptif dengan sampel 97 pelaku pertanian perkotaan di Kota Yogyakarta. Data dikumpulkan menggunakan metode wawancara, observasi, pencatatan, dan studi pustaka. Kemudian dianalisis menggunakan analisis deskriptif kualitatif dan analisis regresi linier berganda. Hasil penelitian menunjukkan bahwa tingkat pengetahuan pelaku pertanian perkotaan tentang variabilitas iklim tergolong sedang. Persepsi dampak variabilitas iklim terhadap pertanian perkotaan tergolong tinggi. Kemudian tingkat keberlanjutan pertanian perkotaan berdasarkan rerata dimensi ekologi, ekonomi, dan sosial termasuk dalam kategori sangat berkelanjutan. Adapun faktor – faktor yang mempengaruhi keberlanjutan pertanian perkotaan berdasarkan dimensi ekologi adalah jenis kelamin dan persepsi dampak variabilitas iklim. Faktor – faktor yang mempengaruhi keberlanjutan pertanian perkotaan berdasarkan dimensi ekonomi yaitu jumlah teknologi budidaya, tingkat pengetahuan variabilitas iklim, dan persepsi dampak variabilitas iklim. Faktor – faktor yang mempengaruhi keberlanjutan pertanian perkotaan berdasarkan dimensi sosial ialah tingkat pengetahuan variabilitas iklim. Faktor – faktor yang mempengaruhi keberlanjutan pertanian perkotaan berdasarkan dimensi ekologi, ekonomi, dan sosial adalah jumlah teknologi budidaya, tingkat pengetahuan variabilitas iklim, dan persepsi dampak variabilitas iklim.

Kata kunci: pengetahuan, dampak, variabilitas iklim, keberlanjutan, pertanian perkotaan