

**PERTUKARAN PENGETAHUAN ANTARPETANI PESERTA
PELATIHAN MANAJEMEN KESEHATAN TANAH TERHADAP
KESIAPAN ADOPSI INOVASI PERANGKAT UJI TANAH SAWAH DI
DAERAH ISTIMEWA YOGYAKARTA**

INTISARI

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Penelitian ini bertujuan untuk 1) Menganalisis tingkat pertukaran pengetahuan inovasi Perangkat Uji Tanah Sawah (PUTS) antar petani yang mengikuti pelatihan manajemen kesehatan tanah di Daerah Istimewa Yogyakarta, 2) Menganalisis kesiapan adopsi inovasi PUTS oleh peserta pelatihan manajemen kesehatan tanah di Daerah Istimewa Yogyakarta, 3) Menilai pengaruh langsung pertukaran pengetahuan antar petani peserta pelatihan manajemen kesehatan tanah terhadap kesiapan adopsi inovasi PUTS di Daerah Istimewa Yogyakarta, 4) Menilai pengaruh tidak langsung pertukaran pengetahuan antar petani peserta pelatihan manajemen kesehatan tanah terhadap kesiapan adopsi inovasi PUTS di Daerah Istimewa Yogyakarta, yang dimediasi oleh sikap, modal manusia, dan motivasi petani.

Penelitian ini melibatkan 170 petani yang mengikuti pelatihan manajemen kesehatan tanah di Kabupaten Sleman, Bantul, dan Kulon Progo, Daerah Istimewa Yogyakarta, dengan menggunakan metode sensus. Pendekatan yang digunakan adalah kuantitatif dengan metode deskriptif analitik. Data dianalisis menggunakan uji proporsi, uji TRI, dan PLS. Hasil penelitian menunjukkan bahwa lebih dari 50% petani peserta pelatihan memiliki tingkat pertukaran pengetahuan antarpetani yang rendah. Kesiapan adopsi inovasi oleh petani masih pada level menengah, dan pertukaran pengetahuan antarpetani memiliki pengaruh langsung maupun tidak langsung terhadap kesiapan adopsi inovasi PUTS, yang dimediasi oleh modal manusia dan sikap.

Kata kunci: Pertukaran Pengetahuan Antarpetani, Kesiapan Adopsi Inovasi, PUTS, Sikap Petani, Modal Manusia Petani.

KNOWLEDGE EXCHANGE AMONG FARMERS PARTICIPANTS OF SOIL HEALTH MANAGEMENT TRAINING ON THE READINESS TO ADOPT SOIL TEST KIT INNOVATIONS IN THE SPECIAL REGION OF YOGYAKARTA

ABSTRACT

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This research aims to 1) analyze the level of knowledge exchange of the Soil Test Device (PUTS) innovation among farmers participating in soil health management training in the Special Region of Yogyakarta, 2) analyze the readiness level for adopting the Soil Test Device (PUTS) innovation among participants of the soil health management training in the Special Region of Yogyakarta, 3) analyze the direct effect of knowledge exchange activities among farmers participating in soil health management training on the readiness to adopt the Soil Test Device (PUTS) innovation in the Special Region of Yogyakarta, and 4) analyze the indirect effect of knowledge exchange activities among farmers participating in soil health management training on the readiness to adopt the Soil Test Device (PUTS) innovation in the Special Region of Yogyakarta. The indirect effect is mediated by the farmers' attitudes, human capital, and motivation.

This study involved 170 farmers participating in soil health management training, obtained through a census in Sleman, Bantul, and Kulon Progo districts, Special Region of Yogyakarta. The research employed a quantitative approach and descriptive analytical method. Data were analyzed using a proportion test to address the first objective. The results indicated that more than 50% of farmers participating in the soil health management training had a low level of knowledge exchange among farmers. Farmers seldom shared or collected information related to PUTS from their peers. The second objective was addressed using TRI analysis. The analysis results showed that the farmers' readiness level was still at a medium level. Limitations in accessing the required chemicals and a lack of self-confidence in their own abilities made farmers reluctant to adopt the PUTS innovation. The third and fourth objectives were analyzed using SEM-PLS, and the results showed that knowledge exchange among farmers had both direct and indirect effects on their readiness to adopt the PUTS innovation, mediated by human capital and attitudes.

Keywords: Knowledge Exchange Among Farmers, Innovation Adoption Readiness, PUTS, Farmers' Attitudes, Farmers' Human Capital.