PRASARANA DAN SARANA KHUSUS

PROGRAM STUDI PERKEBUNAN

Tabel. Prasarana Program Studi Perkebunan

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Nama Prasarana | Standar/ Unit | Keterangan |
| 1 | Laboratorium Lapangan | 5 | Rincian ukuran terlampir |
| 2 | Rumah setengah baying (80m2) | 2 |  |
| 3 | Rumah Kaca (80m2) | 1 |  |
| 4 | Lantai Jemur (360m2) | 1 |  |
| 5 | Laboratorium Klimatologi (8x8) m2 | 1 |  |
| 6 | Bengkel Latih (8x10) m2 | 1 |  |

Tabel. Sarana Program Studi Perkebunan

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| --- | --- | --- | --- |
| No | Nama Prasarana | Jumlah Sarana/Siswa | Keterangan |
| I | ALAT PRODUKSI TANAMAN |  |  |
| 1 | Pisau sadap | 1/1 |  |
| 2 | Pisau okulasi | 1/1 |  |
| 3 | Mal sadap | 1/5 |  |
| 4 | Mangkok sadap | 1/1 |  |
| 5 | Ember | 1/5 |  |
| 6 | Sabit | 1/5 |  |
| 7 | Gunting pangkas | 1/1 |  |
| 8 | Gunting stek | 1/5 |  |
| 9 | Gergaji cabang/ parang | 1/5 |  |
| 10 | Sabuk pengaman panjat | 1/5 |  |
| 11 | Egrek kelapa sawit | 1/5 |  |
| 12 | Dodos kelapa sawit | 1/5 |  |
| 13 | Kampak sawit | 1/5 |  |
| 14 | Parang | 1/5 |  |
| 15 | Cangkul | 1/1 |  |
| 16 | Garu tanah | 1/5 |  |
| 17 | Skop | 1/1 |  |
| 18 | Linggis | 1/5 |  |
| 19 | Tugal | 1/1 |  |
| 20 | Mesin pemotong rumput | 1/10 |  |
| 21 | Keranjang pengumpul hasil | 1/5 |  |
| 22 | Keranjang pikul | 1/5 |  |
| 23 | Kereta dorong | 1/5 |  |
| 24 | Galah | 1/5 |  |
| 25 | Tangga panjang | 1/5 |  |
| 26 | Cincin mangkok | 1/5 |  |
| 27 | Talang sadap | 1/1 |  |
| 28 | Pulling jack | 1/5 |  |
|  |  |  |  |
| II | ALAT PROTEKSI TANAMAN | 1/1 |  |
| 1 | Alat penyiram tanah, 5-10 liter | 1/5 |  |
| 2 | Sprayer semi otomatis, 10-15 liter | 1/5 |  |
| 3 | Sprayer otomatis, 10-15 liter | 1/5 |  |
| 4 | Sprayer otomatis tekanan tinggi | 1/10 |  |
| 5 | Mist blower/ Duster | 1/5 |  |
| 6 | Fumigator | 1/5 |  |
| 7 | Alat tangkap serangga | 1/5 |  |
| 8 | Power sprayer portable | 1/5 |  |
|  |  |  |  |
| II | ALAT PASCA PANEN |  |  |
| 1 | Alat pengupas jambu mete | 1/5 |  |
| 2 | Alat pengupas kelapa | 1/5 |  |
| 3 | Pisau cungkil kelapa | 1/1 |  |
| 4 | Mesin parut kelapa | 1/15 |  |
| 5 | Mesin penggiling tebu | 1/30 | Digunakan bersama |
| 6 | Pisau perajang tembakau | 1/10 |  |
| 7 | Kotak fermentasi biji kakao | 1/10 |  |
| 8 | Bak pengumpul lateks | 1/1 |  |
| 9 | Bak pencampur lateks | 1/30 | Digunakan bersama |
| 10 | Mesin pembuat sheet | 1/30 | Digunakan bersama |
| 11 | Alat tampi dan bakul | 1/5 |  |
| 12 | Keranjang | 1/5 |  |
| 13 | Timbangan kapasitas 20 kg | 1/10 |  |
| 14 | Timbangan 2 kg | 1/10 |  |
| 15 | Mesin pengering | 1/5 |  |
| 16 | Oven | 1/15 |  |
| 17 | Lemari refrigerator | 1/15 |  |
| 18 | Vacum tester | 1/30 | Digunakan bersama |
| 19 | Autocalve | 1/30 | Digunakan bersama |
| 20 | Ayakan | 1/30 | Digunakan bersama |
| 21 | Blender | 1/10 |  |
| 22 | AW meter | 1/10 |  |
| 23 | Hygrometer | 1/15 |  |
|  |  |  |  |
| IV | MESIN-MESIN PERTANIAN |  |  |
| 1 | Traktor besar (40-50 HP), unit | 1/30 | Digunakan bersama |
| 2 | Traktor 8 HP | 1/10 |  |
| 3 | Traktor tangan, unit | 1/10 |  |
| 4 | Pompa air | 1/15 |  |
| 5 | Mesin sprayer tekanan tinggi | 1/15 |  |
| 6 | Mesin 2 tak, 4 tak (model) | 1/15 |  |
|  |  |  |  |
| V | PERALATAN BENGKEL LATIH |  |  |
| 1 | Pita ukur baja (30 m)meetveer | 1/5 |  |
| 2 | Pita ukur baja (10-30 m)meetband | 1/5 |  |
| 3 | Jalon (range pole) | 2/1 |  |
| 4 | Curvimeter | 1/5 |  |
| 5 | Cermin sudut | 1/5 |  |
| 6 | Bumbung sudut | 1/5 |  |
| 7 | Prisma tiga sisi | 1/5 |  |
| 8 | Prisma segitiga (pentagonal prisma) | 1/5 |  |
| 9 | Prisma double (dwi prisma) | 1/5 |  |
| 10 | Prismatic compass | 1/5 |  |
| 11 | Clinometer | 1/5 |  |
| 12 | Abney level | 1/5 |  |
| 13 | Dump level/ teropong (surveying teleskop) | 1/5 |  |
| 14 | Mistar ukur type skala E | 1/5 |  |
| 15 | Theodolite / BTM | 1/30 |  |
| 16 | Meja ukur + mistar arah | 1/30 |  |
|  |  |  |  |
|  | 2. Alat Pertukangan Besi |  |  |
| 1 | Alat pemotong (pahat besi, gergaji, dll) | 1/15 |  |
| 2 | Alat pemukul ( palu berbagai bentuk dan ukur) | 1/10 |  |
| 3 | Alat pengukur (meteran gulung, acrometer, dll) | 1/10 |  |
|  | - Pengukur sudut | 1/10 |  |
|  | -Penyiku | 1/10 |  |
|  | -Penyetel kombinasi (combination square) | 1/10 |  |
| 4 | Alat pelubang listrik |  |  |
|  | -Bor tangan dengan mata (electric drill) | 1/15 |  |
|  | -Bor besi dengan mata (black smithpost drill) | 1/15 |  |
| 5 | Alat las/ solder karbit dan listrik dan perlengkapannya | 1 set |  |
| 6 | Alat penghalus/ pengasah (gerinda, kikir, dll) | 1/15 |  |
|  |  |  |  |
|  | 3. Alat Pertukangan Kayu |  |  |
| 1 | Palu (berbagai tipe) | 1/15 |  |
| 2 | Ketam elektrik | 1/15 |  |
| 3 | Meteran gulung baja | 1/5 |  |
| 4 | Katam besi (berbagai tipe) | 1/5 |  |
| 5 | Bor kayu tangan (braces) | 1/5 |  |
| 6 | Pahat kayu (berbagai ukuran) | 1/3 |  |
| 7 | Kuak (alat stel gigi gergaji) | 1/5 |  |
| 8 | Kikir (berbagai bentuk) | 1/5 | Kikir segitiga, setengah bulat, bulat |
| 9 | Mata bor kayu/ anger bit set (berbagai ukuran) | 1/5 |  |
| 10 | Penyikut (berbagai ukuran) | 1/5 |  |
| 11 | Penyipat (berbagai bentuk) | 1/5 |  |
| 12 | Press kayu (C clam, frame clam) | 1/10 |  |
| 13 | Kapak pertukangan kayu (berbagai ikuran) | 1/5 |  |
| 14 | Gerek pembentuk (expansive bit and countersi) | 1/10 |  |
| 15 | Obeng (berbagai ukuran) | 1/5 |  |
| 16 | Kakak tua (tang pencabut) | 1/5 |  |
| 17 | Linggis kuku kambing (ukuran sedang) | 1/5 |  |
| 18 | Tool box (kotak perkakas) | 1/5 |  |
| 19 | Kuas cat (berbagai ukuran) | 1/2 |  |
|  |  |  |  |
|  | 4. Alat Pertukangan batu |  |  |
| 1 | Sendok semen (berbagai ukuran) | 1/2 |  |
| 2 | Pacu pengaduk semen | 1/5 |  |
| 3 | Ajir berskala | 1/2 |  |
| 4 | Sendok kayu perata | 1/5 |  |
| 5 | Pahat Besi | 1/5 |  |
| 6 | Alat pembengkok baja | 1/5 |  |
| 7 | Waterpass | 1/10 |  |
| 8 | Pemotong kaca | 1/5 |  |
| 9 | Pemotong keramik | 1/5 |  |
|  |  |  |  |
|  | 5. alat Bantu Perbengkelan |  |  |
| 1 | Kunci-kunci (berbagai bentuk dan ukuran) | 1/5 | Kunci ring, pas, schok, T, tappet |
| 2 | Tang (berbagai bentuk dan ukuran) | 1/10 | Kombinasi, listrik, geser, pengupas kabel dan runcing |
| 3 | Obeng (berbagai bentuk dan ukuran) | 1/5 | Pipih, kembang, tes strum, ketok |
| 4 | Pompa olie dan pompa angin | 1/10 |  |
| 5 | Martil 2-5 kg | 1/10 |  |
| 6 | Tempat kunci-kunci mobil (tools) | 1/5 |  |
| 7 | Palu plastic dan palu kayu | 1/5 |  |
| 8 | Bor besi/ kayu dengan mata bor (tangan dan listrik) | 1/5 |  |
| 9 | Alat control accu |  |  |
|  | -Hidrometer | 1/10 |  |
|  | -VA (Volt meter) | 1/5 |  |
| 10 | Alat control tekanan angin | 1/10 |  |
|  |  |  |  |
| VI | PERALATAN PENGAMATAN CUACA |  |  |
| 1 | Termometer (fahrenheit, celcius, Kelvin) | 1/5 |  |
| 2 | Termometer minimum dan maksimum | 1/5 |  |
| 3 | Termometer tanah | 1/5 |  |
| 4 | Termometer tahanan | 1/15 |  |
| 5 | Termograph | 1/15 |  |
| 6 | Solarimeter | 1/30 |  |
| 7 | Pyrheliometer | 1/30 |  |
| 8 | Pyrheliograph | 1/30 |  |
| 9 | Alat pengukur lamanya penyinaran |  |  |
|  | -type Cambell stakes | 1/15 |  |
|  | -type Jordan | 1/15 |  |
| 10 | Hygrometer | 1/10 |  |
| 11 | Psychrometer | 1/10 |  |
| 12 | Hygrograph | 1/15 |  |
| 13 | Barometer air raksa | 1/15 |  |
| 14 | Barograph | 1/30 |  |
| 15 | Barometer aneroid | 1/30 |  |
| 16 | Alat pengukur kecepatan angin | 1/30 |  |
| 17 | Ombrometer |  |  |
|  | -type observatorium | 1/10 |  |
|  | -type Hellman | 1/15 |  |
| 18 | Barograph type bendix | 1/15 |  |
| 19 | Jenis-jenis pelampung (irigasi) | 1/5 |  |
| 20 | Alat p[engukur kecepatan aliran |  |  |
|  | -Current meter | 1/10 |  |
|  | -type propeller | 1/10 |  |

STANDAR PRASARANA DAN SARANA KHUSUS

PROGRAM STUDI TANAMAN PANGAN DAN HORTIKULTURA

Tabel. Prasarana Khusus Program Studi Tanaman Pangan dan Hortikultura

|  |  |  |  |
| --- | --- | --- | --- |
| No | Nama Prasarana | Standar | Keterangan |
| 1 | Lahan Praktek, Ha |  |  |
|  | -Tanah sawah | 5 |  |
|  | -Tanah kering | 2 |  |
|  | -Tanah koleksi | 2 |  |
|  | -Tanaman pangan | 2 |  |
|  | -Tanaman hortikultura | 4 |  |
|  | -Swakarya | 1 |  |
| 2 | Lahan unit produksi, Ha | 5 |  |
| 3 | Rumah setengah aying (12x12) m2, buah | 1 |  |
| 4 | Rumah kaca (14x14) ) m2, buah | 1 |  |
| 5 | Lantai jemur (20x40) ) m2, buah | 1 |  |
| 6 | Laboratorium kultur jaringan (8x8) ) m2, buah | 1 |  |
| 7 | Laboratorium pasca panen (6x10) ) m2, buah | 1 |  |
| 8 | Laboratorium Klimatologi (8x8) m2 , buah | 1 |  |
| 9 | Bengkel latih (8x10) ) m2, buah | 1 |  |
| 10 | Unit Produksi Agribisnis (UPA) (25x50) ) m2 | 1 |  |

Tabel. Sarana Khusus Program Studi Tanaman Pangan dan Hortikultura

|  |  |  |  |
| --- | --- | --- | --- |
| No | Nama Sarana | Standar | Keterangan |
| I | PERALATAN PRODUKSI TANAMAN, BUAH |  |  |
| 1 | Pisau okulasi | 1/1 |  |
| 2 | Pisau pangkas | 1/2 |  |
| 3 | Gunting pangkas | 1/1 |  |
| 4 | Gunting pagar | 1/5 |  |
| 5 | Gunting stek | 1/1 |  |
| 6 | Gergaji pangkas | 1/3 |  |
| 7 | Cangkul | 1/1 |  |
| 8 | Kored | 1/1 |  |
| 9 | Sekop | 1/3 |  |
| 10 | Linggis | 1/5 |  |
| 11 | Parang, sabit | 1/1 |  |
| 12 | Tugal | 1/1 |  |
| 13 | Mesin pemotong rumput | 1/10 |  |
| 14 | Kereta dorong | 1/10 |  |
| 15 | Garden tool | 1/1 |  |
| 16 | Garu tanah | 1/5 |  |
| 17 | Meteran (4 m2) | 1/3 |  |
| 18 | Gembor/ alat penyiraman | 1/1 |  |
| 19 | Sprinkler | 1/5 |  |
| 20 | Germinator | 1/30 | Digunakan bersama |
| 21 | Lemari steril media | 1/30 | Digunakan bersama |
| 22 | Panthometer | 1/5 |  |
| 23 | Bak persemaian (1 m2) | 1/30 |  |
|  |  |  |  |
| II | PERALATAN PENGENDALIAN HAMA PENYAKIT |  |  |
| 1 | Sprayer semi otomatis | 1/5 |  |
| 2 | Sprayer otomatis | 1/5 |  |
| 3 | Sprayer otomatis tekanan tinggi | 1/10 |  |
| 4 | Mist blower | 1/10 |  |
| 5 | Fumigator | 1/10 |  |
| 6 | Alat tangkap serangga | 1/5 |  |
| 7 | Power sprayer portable | 1/10 |  |
| 8 | Sprayer tangan | 1/1 |  |
| 9 | Alat penyiram tanah | 1/5 |  |
| 10 | Loupe | 1/1 |  |
| 11 | Foger | 1/5 |  |
| 12 | Mikroskop | 1/10 |  |
|  |  |  |  |
| III | PERALATAN PASCA PANEN |  |  |
| 1 | Galah | 1/5 |  |
| 2 | Arit/sabit/parang | 1/1 | Dimiliki sendiri |
| 3 | Mesin parut singkong | 1/15 |  |
| 4 | Mesin pembuat gaplek | 1/15 |  |
| 5 | Mesin pemipil jagung | 1/15 |  |
| 6 | Mesin pemecah gabah | 1/15 |  |
| 7 | Mesin perontok gabah | 1/15 |  |
| 8 | Ayakan | 1/5 |  |
| 9 | Kisaran | 1/10 |  |
| 10 | Blender | 1/10 |  |
| 11 | Alat tampi dan bakul | 1/5 |  |
| 12 | Tangga panjang | 1/5 |  |
| 13 | Keranjang | 1/5 |  |
| 14 | Timbangan kapasitas 2 kg | 1/10 |  |
| 15 | Timbangan kapasitas 2 kg | 1/10 |  |
| 16 | Timbangan kapasitas 20 kg | 1/10 |  |
| 17 | Mesin pengering | 1/15 |  |
| 18 | Oven | 1/5 |  |
| 19 | Lemari refrigerator | 1/30 | Digunakan bersama |
| 20 | Kompor | 1/5 |  |
| 21 | Toples isi 2 kg | 1/1 |  |
| 22 | Toples isi 5 kg | 1/1 |  |
| 23 | Lemari es | 1/30 |  |
| 24 | Pisau stainless steel (kecil, sedang, besar) | 1/1 |  |
| 25 | Mixer | 1/1 |  |
| 26 | Peralatan fermentasi buah | 1/10 |  |
| 27 | Peralatan produksi sirup bening dan keruh | 1/10 |  |
| 28 | Alat pembuat jus | 1/30 |  |
| 29 | Dandang besar penampung jus | 1/30 |  |