

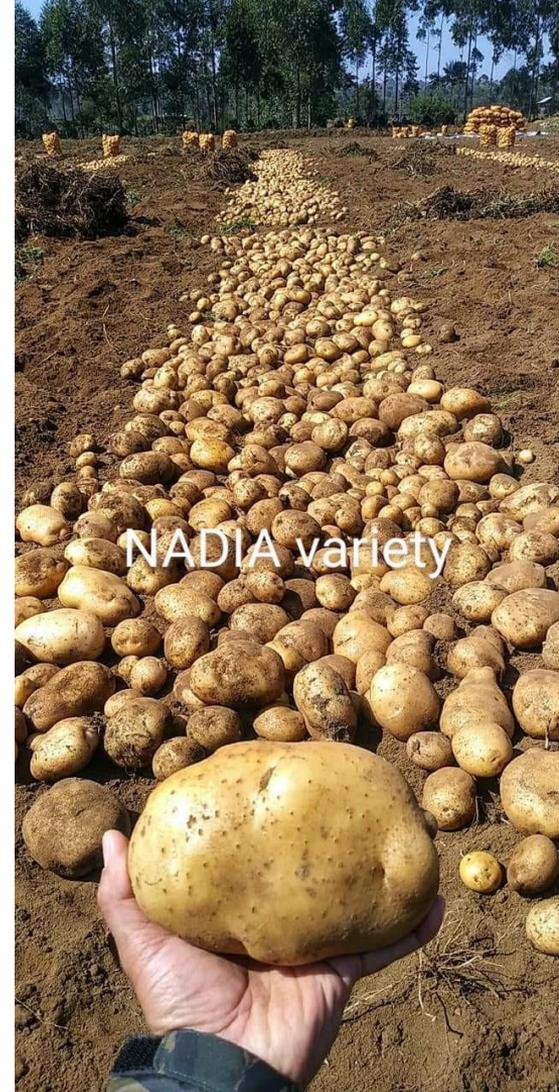
National Potato Production, Survive With Innovation & Information

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Production Manager

at

hikmahfarm



60 Years of hikmahfarm



H. Safe'i & Hj. Qonaah



Hj. Cucun/Bu H. Adung



H. Moch. Adung Safe'i
Bank BRI



Modern Market
Mr. Wildan & Ibu Atieq
H. Soheh Sofandi



H. Ilyas & H. Utjun

Silaturahmi & Syukuran 52 Tahun
Keluarga Besar hikmahfarm
Pangalengan, Sabtu 10 Mei 2014



Prof. G.A. Wattimena



Mr. Nishimura, JICA
& Pa Ghandi
4th Generation

Current Situation

1. Consumption 4-5 kg/capita
2. National Productivity < 20ton/hectare
3. Land Scarcity, Land Conversion → Deforestation → Erosion, Flood
4. Land Degradation & Soil Borne Pests and Diseases
5. Extreme Weather ; Drought, Heavy Rain, Pests & Diseases → Crop Failure
6. Globalisation; Supply & Demands
7. Pandemic, Post Majore



The Future of National Potato Production



Sapta Usaha Tani, Smart Farming & Information

Sapta Usaha Tani :

1. Penggunaan bibit unggul
2. Teknik pengolahan lahan pertanian
3. Pengaturan irigasi
4. Pemupukan
5. Pengendalian HPT
6. Pasca Panen, Pengolahan (value chain)
7. Pemasaran hasil panen

Smart Farming:

1. Agricultural Drone
2. Surveillance Drone untuk pemetaan lahan dan kondisi tanaman
3. Soil, dan Weather Sensor (Sensor tanah dan cuaca)
4. Internet & MedSos

High Quality Certified Seed Production



Produksi Benih Kentang Generasi G0

Developments of National Seed Production

1. Sebelum 1990an selalu Import dari Belanda, Jerman...
2. Awal 1990an, **BBI Kentang Pangalengan (BPBK)**
JICA, Deptan, BPSB, Balitsa, Dinas Pertanian, Univ. dll
 1. Perbanyak benih: BBI, BBU, Petani2 Penangkar
 2. Varietas Nasional dari Balitsa, Balai Benih, dan Swasta
 3. Granola L, Cipanas, Dayang Sumbi, Sangkuriang Ar08, Medians... Gran Kembang, Nadia, MZ, Gran Intan dll
 4. Skema G0, G1, G2, G3, G4 kemudian berubah menjadi **G0, G1, dan G2** dengan tujuan **peningkatan kualitas**
 5. Penanaman G0 dan Stek Planlet ke Kebun untuk produksi benih G2.

Better Local Variety

1. Efficient Fertilizer Use, High Productivity, PCN Tolerant: GK, RGH01/Intan, Nadia
2. Responsive to Fertilizer, Granola L
3. Phytophthora infestans Tolerant : AR07, AR08, Sangkuriang, Dayang Sumbi, cont.







Late Blight Tolerance



hikmah farm



Dayang Sumbi







hikmahfarm



Penanaman G0
ke Lahan, Produksi G2

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Penanaman
Stek Planlet Ke Lahan



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Machinery & Land Cultivation



Land Inundation and Land Sterilization



Overhead Springklers Irrigation



IR. Wildan Mustofa
Manager Operasional PD. HIKMAH

Land Recondition & Balanced Fertilization

1. Dolomite & Zeolite to raise soil pH & CEC Level
2. Composted Manure/Organic Matter. Microbial Inoculats:
Azotobacter Sp, Rhizobium Sp, Azospirillum Sp,
Lactobacillus Sp, Trichoderma Sp, Gliocladium Sp.
3. Fertilizer Composition is Dependent to Soil Fertility, Season, Variety, Potato Use/Allocation (seed/ware potato, early/late)
 - ⌘ NPK 8-10qintal,
 - ⌘ TSP 3-4qintal,
 - ⌘ KCL 1.5-2.5qintal
 - ⌘ KarateBoroni/Canibor/NitraBor/Tropicote 2-3qintal
 - ⌘ Kieserit/Vita4/TrioKali/Kamas/KieserMag 2-3qintal
 - ⌘ Humic Acid (optional)



Dolomit & Zeolit



Seed Treatments



Microbial Inoculation



Nematicide



hikmah farm Pangalengan / kelompok tani mitra hikmah

Fertilizer Dependent : ...



Pests & Diseases + Canopy Closure



Power Sprayer



Spraying Schedule



Microbe + Humic Acid



Foliar Fertilizer

Pests & Diseases Management

Phytophthora infestans vs Extreme Weather



Phytophthora Management & Fungicides Combination





Late Blight

Fungicides +
Growth Hormones

Product (Dose rate [litre or kg/ha])	Leaf blight	Tuber blight	New growth	Stem blight	Protectant	Curative	Anti sporulant	Rain-fastness	Mobility	Year
copper				●	●●	0	0	●	C	1900
dithiocarbamates (2.0) ¹	2.0	0.0		●	●●	0	0	●●	C	1961
chlorothalonil				●	●●	0	0	●●●	C	1964
cyazofamid (0.5)	3.8	3.8	●●	●	●●●	0	0	●●●	C	2001
fluazinam (0.4)	2.9			●	●●●	0	0	●●●	C	1992
zoxamide + mancozeb (1.8)	2.8			● ⁵	●●●	0	0	●●●	C + C	2001
amisulbrom + mancozeb (0.5+2.0)	4.5	3.7		●	●●●	0	?	●●●	C + C	2007
ametoctradin + mancozeb (2.5)	3.7		?? ⁸	?? ⁸	●●●	0	0	●●●	C + C	2011
fluazinam + azoxystrobin (0.5)	3.6								C + C	2016
famoxadone + cymoxanil				●●	●●	●●	●	●●●	C + T	1996
(zoxamide + mancozeb) + cymoxanil (1.8+0.2)	3.4								C + T	2001
mandipropamid (0.6)	4.0		●●	●●	●●●	● ⁶	●●	●●●	C/T	2005
mandipropamid + difenoconazole (0.6)	4.0		●●	●●	●●●	● ⁶	●●	●●●	C/T + C	2005
benthiavalicarb (0.5)	4.2								T	2018
benthiavalicarb + mancozeb (2.0)	3.7			●● ⁵	●●●	●●	●	●●●	T + C	2003
cymoxanil + metiram				●●	●●	●●	●	●●	T + C	1976
cymoxanil + copper				●●	●●	●●	●	●●	T + C	1976
cymoxanil + mancozeb				●●	●●	●●	●	●●	T + C	1976
dimethomorph + mancozeb (2.4)	3.0			●●	●●●	●	●●	●●●	T + C	1988
dimethomorph + fluazinam (1.0)	3.7	3.3	●	●	●●●	●	●●	●●●	T + C	2012
fenamidone + mancozeb (1.5)	2.6			●● ⁵	●●●	0	●● ⁵	●●	T + C	1998

Product (Dose rate [litre or kg/ha])	Leaf blight	Tuber blight	New growth	Stem blight	Protectant	Curative	Anti sporulant	Rain-fastness	Mobility	Year
(zoxamide + cymoxanil) + fluazinam (0.45+0.4)	4.0								C/T + C	2013
(zoxamide + dimethomorph) + fluazinam (1.0+0.4)	4.2								C/T + C	2015
mandipropamid + cymoxanil (0.6)	4.4		●●	●◄	●●●	●●	●◄	●●●	C/T + T	2013
(pyraclostrobin + dimethomorph) + adjuvant (2.5+1.0)	4.0 ⁷								C/T + T	2012
benalaxyl-M + mancozeb ²	3.0		●●	●●	●◄◄	●◄◄	●◄◄	●●●	S + C	1981
metalaxyl-M + mancozeb ²			●●	●●	●◄◄	●◄◄	●◄◄	●●●	S + C	1977
metalaxyl-M + fluazinam ²			●●	●●	●◄◄	●◄◄	●◄◄	●●●	S + C	
propamocarb + cymoxanil + cyazofamid ((2.0)+0.5)		4.6							S + T + C	2012
propamocarb + cymoxanil (2.0)					●◄	●●● ⁹	●◄◄		S + T	2011
propamocarb-HCl + fenamidone (2.0)	2.5		●◄	●●	●◄◄	●●	●●	●●●	S + T	1998
propamocarb-HCl + fluopicolide (1.6)	3.8	3.9	●●	●●	●●●	●●	●◄◄	●◄◄	S + C/T	2006
oxathiapiprolin (0.15)			●●◄	●◄◄	●●●	●●	●◄◄	●●●	S	2017
oxathiapiprolin + famoxadone (0.5)	4.9	4.1	●●◄	●◄◄	●●●	●●	●◄◄	●●●	S + C	2018
oxathiapiprolin + amisulbrom (0.15+0.3)	4.9								S + C	2018
oxathiapiprolin + bentiavalicarb (0.4)	4.9 ⁷	3.4	●●◄	●◄◄	●●●	●●	●◄◄	●●●	S + T	2019

¹ Includes maneb, mancozeb, propineb and metiram. ² See proceedings for comments on phenylamide resistance. ³ Based on EuroBlight field test in 2006-2015. ⁴ Based on EuroBlight field trials 2009-2012. ⁵ Based on limited data. ⁶ In some trials there were indications that the rating was 1½. ⁷ A provisional rating based on 5 EuroBlight experiments. ⁸ Observations from several trials indicated that both New growth and Stem blight were ++. ⁹ In some trials the curative activity was +++.



Post Harvest & Direct Marketing





Smart Farming : Agricultural Drone



hikmah farm Pangalengan / PT Agri Rental Ind



hikmahfarm Pangalengan / PT Agri Rental Indonesia



hikmah farm Pangalengan / PT Agri Rental Indonesia



hikmahfarm Pangalengan / PT Agri Rental Indonesia

Social Media, Internet & Information

Petani Kentang Indonesia >
Grup Publik · 104.430 Anggota

+ Undang

Forum Topik Nonton Bareng Foto

Buat postingan publik...

Siaran Langsung Foto Sarankan

Topik Populer dalam Grup Ini

- #salam
89 postingan dalam grup ini
- #petani
70 postingan dalam grup ini

Hikmahfarm Pangaleng...
Sinopsis Iklan Kotak Masuk

EDIT

Hikmahfarm Pangalengan
@Hikmahfarmपालंगलंग

Kirim Email

Posting Foto Promosikan Lihat Sebagai Halaman Edit

BADAN METEOROLOGI KLIMATOLOGI DAN GEOFISIKA
BMKG

Siaga
+ Baca lebih lanjut

MENU

INFORMASI TERKINI

Mon 22-02-2021 08:45
HIMAWARI Color Composite : 2021-02-22 08:20 UTC

SATELIT

CUACA EKSTREM

SEMINAR ON LINE
"KENTANG : DARI HULU KE HILIR DARI PERAKITAN KE PENGOLAHAN"

Narasumber

- Kusmana, SP (Pemulia Kentang)
- Ir. Bunyan Ismail, Msc (Direktur HikmahFarm)
- J. Badai Sagara (Pelaku UMKM/Divisi Pemasaran Saghara Agri)

Moderator
Tri Handayani, SP, M.Sc

Pelaksanaan :
Rabu 15 Juli 2020
Jam 13.30 - 15.30 WIB

LIVE :
YouTube
Pendaftaran :
<http://bit.ly/semonlinekentang>

accuweather.com/id/id/pangalengan/202537/daily-weather-forecas

Pangalengan, Jawa Barat 16°

SEN 1/3	☁️	23° / 15°	41%
SEL 2/3	☁️	23° / 15°	41%
RAB 3/3	☁️	24° / 16°	50%

Dank u wel, haturnuhun

Terima Kasih

