DAY 2

|  |  |  |
| --- | --- | --- |
| Session 3 | 13:30 – 15:00 | Guided simulations 2 – Economy-wide impact of regions specific shocks |

Simulation 1 – Kekeringan di pulau Jawa

**Pulau Jawa Status Waspada Kekeringan**

Direktorat Jenderal Sumber Daya Air Kementrian Pekerjaan Umum memberikan status waspada kekeringan air bagi Pulau Jawa. Hal tersebut karena telah terjadi penurunan debit air di beberapa waduk besar di Pulau Jawa termasuk tiga waduk besar di Jawa Barat yakni Waduk Saguling, Djuanda, dan Cirata.

Mengenai banyaknya lahan pertanian yang gagal panen (fuso), kata dia, itu karena belum "taatnya" petani terhadap himbauan pemerintah agar tidak menanam padi di musim kemarau karena minimnya ketersediaan air."Lihat saja apa yang dilakukan petani Jatim patut dicontoh dimana mereka lebih memilih tembakau dibandingkan padi di musim kemarau," katanya.

<http://www.pikiran-rakyat.com/node/202624>

**Duh, Akibat Kekeringan, 2.521 Hektare Sawah di Lebak Terancam Gagal Panen**

Lahan sawah seluas 2.521 hektare di Kabupaten Lebak, Banten, teridentifikasi gagal panen akibat kekeringan yang melanda daerah itu selama dua bulan terakhir.

"Meskipun terjadi gagal panen, tetapi tidak berpengaruh terhadap produksi pangan," kata Kepala Dinas Pertanian Kabupaten Lebak Dede Supriyatna di Rangkasbitung, Selasa (28/8/2012).

Menurut dia, tanaman padi yang mengalami gagal panen tersebut karena sawah tadah hujan yang lokasinya di lahan-lahan marjinal, tanpa memiliki sumber air. Persawahan marjinal itu, kata dia, tentu jika musim kemarau kesulitan untuk mendapatkan sumber air permukaan, seperti air sungai.

Ia menjelaskan, kemungkinan produksi padi menurun akibat kekeringan itu yang semula lima hingga delapan ton gabah kering pungut (GKP) per hektare. Namun, kata dia, saat ini produksi hanya mampu satu ton GKP per hektare. "Saya kira produksi gabah menurun karena kemarau panjang itu," katanya.

<http://www.seruu.com/pariwisata/pulau-jawa/artikel/duh-akibat-kekeringan-2521-hektare-sawah-di-lebak-terancam-gagal-panen>

Petunjuk:

1. Jalankan TABmate dan buka file simulasi sim0.cmf
2. Bagaimana anda menjelaskan simulasi ini dari command:

xset JAWA #pulau jawa# (JABAR, BANTEN, JATENG, JATIM, DKI, DIY);

xSubset JAWA is subset of DST;

shock atot(“CROPS”,JAWA)=uniform 10;

1. Jalankan WinGEM dan jalankan file simulasi ini.
2. Bukalah file solusi pada ViewSOL, dan isilah % change dari variabel dibawah ini.

[.natmacro]

|  |  |
| --- | --- |
| Indikator Makro Nasional | % change |
| Real Household Consumption |  |
| Real Investment  |  |
| Export Volume |  |
| Import Volume Used |  |
| Real GDP |  |
| Aggregate Employment |  |
| Real Wage  |  |
| CPI |  |

[.mainmacro]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Indikator Makro | % change | BENGKULU | LAMPUNG | DKI | JABAR | BANTEN | JATENG | DIY | JATIM |
| Real Household Consumption |  |  |  |  |  |  |  |  |
| Real Investment  |  |  |  |  |  |  |  |  |
| Export Volume |  |  |  |  |  |  |  |  |
| Import Volume Used |  |  |  |  |  |  |  |  |
| Real GDP |  |  |  |  |  |  |  |  |
| Aggregate Employment |  |  |  |  |  |  |  |  |
| Real Wage  |  |  |  |  |  |  |  |  |
| CPI |  |  |  |  |  |  |  |  |

[.xtot]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Indikator total output | % change | BENGKULU | LAMPUNG | DKI | JABAR | BANTEN | JATENG | DIY | JATIM |
| Paddy |  |  |  |  |  |  |  |  |
| Crops |  |  |  |  |  |  |  |  |
| Estate Crop |  |  |  |  |  |  |  |  |
| Palm Oil Man |  |  |  |  |  |  |  |  |
| Food Bev Man |  |  |  |  |  |  |  |  |

[.ximps]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Indikator total inv | % change | BENGKULU | LAMPUNG | DKI | JABAR | BANTEN | JATENG | DIY | JATIM |
| Paddy |  |  |  |  |  |  |  |  |
| Crops |  |  |  |  |  |  |  |  |
| Estate Crop |  |  |  |  |  |  |  |  |
| Palm Oil Man |  |  |  |  |  |  |  |  |
| Food Bev Man |  |  |  |  |  |  |  |  |

[.xexp\_s]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Indikator export demand | % change | BENGKULU | LAMPUNG | DKI | JABAR | BANTEN | JATENG | DIY | JATIM |
| Paddy |  |  |  |  |  |  |  |  |
| Crops |  |  |  |  |  |  |  |  |
| Estate Crop |  |  |  |  |  |  |  |  |
| Palm Oil Man |  |  |  |  |  |  |  |  |
| Food Bev Man |  |  |  |  |  |  |  |  |

[.xlab\_o]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Indikator labor demand | % change | BENGKULU | LAMPUNG | DKI | JABAR | BANTEN | JATENG | DIY | JATIM |
| Paddy |  |  |  |  |  |  |  |  |
| Crops |  |  |  |  |  |  |  |  |
| Estate Crop |  |  |  |  |  |  |  |  |
| Palm Oil Man |  |  |  |  |  |  |  |  |
| Food Bev Man |  |  |  |  |  |  |  |  |

1. Tentukan dampak simulasi pada kemiskinan?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Population | Poor0 | Poor1 | Povinc0 | Povinc1 | Change(%) |
| SUMATERA |  |  |  |  |  |  |
| JAWA |  |  |  |  |  |  |
| KALIMANTAN |  |  |  |  |  |  |
| SULAWESI |  |  |  |  |  |  |
| BALINUSATENGGARA |  |  |  |  |  |  |
| INDONESIATIMUR |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

1. Coba anda lakukan plot gambar hasil simulasi suatu variabel? Coba analisis.
2. Apa yang bisa anda simpulkan dari simulasi ini?