

OPERATIONAL MONSOON PREDICTION AND ONGOING/RELEVANT RESEARCH TOPICS

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STATUS OF MONSOON PREDICTION

Asian-Australian NOAA/NWS/CPC 22 Jul 20 10 230 220 210 6.5 200 190 105 205 m-2 50



1206 14

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precip.

12

10

8

2

1005

region A

Monsoonal

Jan FebMar Apr May Jun Jul Aug SepOct Nov Dec

nonth

(Boreal Winter)

14

12

10 Ĵ

6

precip.

- There are three distinct rainfall climate regions over Indonesia, which mainly has a monsoonal type
- Instead of wind direction BMKG changes, currently generates the prediction of the onset of wet/dry seasons for monsoon prediction purposes





region B

Semi - monsoonal

Jan FebMar Apr May Jun Jul Aug SepOct Nov Dec



STATUS OF MONSOON PREDICTION



 Use statistical and dynamical model (CFSv2 and ECMWF) for decade timeseries rainfall prediction



Example : Malang District – East Java (Karang Ploso Station)





ONGOING/RELEVANT RESEARCH TOPICS



Reflectivity (dBZ)



BMKG SUPPORTS TO YMC



BMKG AWS NETWORK





BMKG RADIOSONDE NETWORK

13 (2013), 5 (2014), 2 (2015) Stations





BMKG RADAR NETWORK





THANK YOU