

Supplemental data 3. Overview of clinical and cohort studies studying viral disease from Indonesia in the past decade.

Virus	First author	PMID	Year of publication	Year of research	Type of study	Origin of cases	Total no. inc	Cases w/ ViD	Ages	Method of testing	Remarks	
Dengue	Sasmono R	25784569	2015	2007-2010	Cohort study hospital/primary he	Makassar, South Sulawesi	197 pos NS1 of which 126	12.5 ± 1	Initial screening: sero anti-dengue IgM/IgG ELISA. in depth confirmation by NS1 antigen rapid test kit. NS1 samples w/ RT-PCR confirmed.			
Dengue	Dewi BE	24964654	2014	2009-2010	Cohort study hospital	Jakarta	455 RT-PCR pos.	0.2	Confirmation by NS1 antigen rapid test kit. NS1 samples w/ RT-PCR confirmed.	replication analysis as well		
Dengue	Fahri S	23951374	2013	2012	Cohort study (area around Semarang)	Semarang	190	137	NS1 and IgM/IgG. Pos: RT-PCR or virus isolation C6/36 or IgG ELISA (acute)			
Dengue	Kosasih H	26872216	2016				120	66	IgG/IgM ELISA and NS1. Serotyping in 31pts			
West Nile Virus	Myint KS	24420775	2014	2004	Hospital based surveillance	Bandung, Java	406	154 [1 WNV]	1. RT-PCR on group/family-specific primers. 2. Gel electrophoresis. 3. 4 positive samples tested RT-PCR and IF of Vero cells infected w DENV or JEV. 4. One sample nucleotide sequencing give 99% match w WNV strain B956 (Uganda).	406 total, 249 recent DENV, 157 remaining neg for DENV/HANV. 154 were tested. 1 pos WNV		
Japanese Encephalitis	Konishi E	19407137	2009	2001	General practitioner/hospital base	Jakarta (Java)	1211	2,20% mean 41 also tested for ***				
Japanese Encephalitis	Konishi E	19407137	2009	1999-2000	Hospital based surveillance	Surabaya (Java)	1751	1,80% mean 44.9 (± 20.4)				
Japanese Encephalitis	Liu W	20109262	2010	2001-2004	Case control	Bali	264	101 0-11yr	CSF and serum: ELISA (both DENV and JEV tested). Confirmation test in AFRIMS in Bangkok			
Japanese Encephalitis	Kari K	16603053	2006	2001-2003	Healthcare facilities surveillance	Bali	239	100	anti-JEV IgM in CSF (MAC Elisa). Only serum: probable. IgM dengue concurrent performed.			
Japanese Encephalitis	Maha MS	19346144	2009	2005-2006	Outcome study	Multicenter	72	N/A	mean 5 (range 1-14 yrs)	N/A Chikungunya IgG and IgM (ELISA), RT-PCR,	Study on outcomes following JEV infection	
Chikungunya	Kosasih H	24205417	2013	2000-2004 and 2010	Prospective cohort of factory worl	Bandung, Java	1901	135	37.1 (± 7) Sequencing	Vero cells inoculated with serum samples. CHIKV		
Chikungunya	Mulyatno K	22274167	2012	2010-2011	Hospital based surveillance	Surabaya, Java	773	17	(101 positiv not spec RT-PCR in CPE-positive culture fluids.			
Rabies	Susilawati NM	22471410	2012	2008-2010	Epidemiological	Bali	104	N/A	36.6 (rar N/A			
Hantavirus	Kosasih H	21142967	2011	2004-2005	Hospital based surveillance	Bandung, Java	406	1	25 RT-PCR			
Hantavirus	Suharti C	19390126	2009	1995-1996	Hospital based surveillance	Semarang	118	5	15 Serological (not specified)			
Avian Influenza	Soepandi PZ	20507944	2010	2005-2008	Hospital based surveillance	Jakarta	22	22	range 3- RT-PCR			
Influenza	Storms AD	25912029	2015	2011-2012	Hospital based surveillance	Jakarta, Java	3278	1131	17 yeras RT-PCR			
Zika	Perkasa A	27088970	2016	2014-2015	Samples from DENV negative pati	Jambi, Sumatra	103	1	27 CPE in Vero cells. RT-PCR for Zika		Study on epidemiology and clinical features	