

INDONESIA: Summary of Building Types, Vulnerability to Collapse and Occupancy

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WHE Construction Type or Material <i>(refer to Table 2 for suggested category(es))</i> (1)	Description of construction type (type of load-bearing structure) <i>(refer to Tables 2 and 3 for suggested categories and sources of data to help answer this question)</i> (2)	Estimate of probability of collapse (%) of the building type when subjected to the specified shaking intensity (expressed as a range) <i>(refer to instructions page 5)</i> (3) MMI / EMS / MSK				Fraction of population who LIVES in this building type <i>(refer to instructions for help in estimating)</i>		Fraction of WORKING population who WORKS in this building type <i>(refer to instructions on page 5 for help in estimating)</i>		Peak average number of occupants per building <i>(refer to instructions on page 5 for help in estimating)</i> (8)
		IX (~0.65-1.24g)	VIII (~0.34-0.65g)	VII (~0.18-0.34g)	VI (~0.092-.18g)	urban areas (4)	rural areas (5)	urban areas (6)	rural areas (7)	
9	Unreinforced brick masonry in cement mortar with reinforced	90	80	70	50	12	40	5	15	4/D ; 10/N
10	Confined brick/block masonry with concrete posts/tie columns and	80	70	60	40	40	15	10	25	2/D ; 8/N
16	Structural concrete Frame with unreinforced masonry infill walls	60	40	30	10	15	5	35	30	15/D ; 5/N
18	Precast frame structure	-	-	-	-	3	0	4	0	15/D ; 100/N
19	Frame with concrete shear walls-dual system	20	10	5	0	10	0	15	0	100/D ; 300/I
23	Steel moment-resisting frame with brick masonry partitions	50	40	20	5	5	0	14	5	40/D ; 5/N
26	Steel braced frame concentric	30	15	5	0	0	0	17	0	20/D ; 100/N
29	Wooden structures with post and beam frame	40	30	20	5	10	30	0	15	4/D ; 10/N
31	Wooden structures frame with brick masonry infill	50	40	30	10	5	10	0	10	3/D ; 8/N

Refer to Part 3 (next 3 pages) for tables and links that may help you fill out this form.

If you do not know some of the answers please indicate so with a dash ----- or ?. Use 0 only when you know the number or percent IS 0.

Other sources consulted:

1. Irwan K. Haryadi, Associate Professor, Pakuan University-Bogor; West Java, Indonesia; 9 Kitewao, Northcote, Northshore City, New Zealand; leni.irwan@yahoo.com
2. <http://www.bmg.go.id>
3. <http://www.kompas.com>

