

[Supplementary material]

The Palaeolithic stone assemblage of Kota Tampan, West Malaysia

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Table S1. The average dimensions of the flakes. ERF: early reduction flake; RERF: retouched early reduction flake; RF: redirecting flake; TERF: truncated early reduction flake; TRF: truncated redirecting flake; Unidentified: broken platforms.

Flake type	Dimensions (Average)					
	Weight (g)	Length (cm)	Width (cm)	Midpoint thickness (cm)	Striking platform thickness (cm)	Striking platform width (cm)
ERF	131.98	6.79	5.60	2.20	2.03	4.58
RERF	206.18	7.08	7.26	2.84	2.70	6.46
RF	138.40	7.80	5.60	2.70	2.05	4.80
TERF	177.57	7.29	6.04	2.79	2.64	5.38
TRF	56.60	6	4.50	1.20	1.20	Unidentified

Table S2. The average dimensions of other stone artefacts.

Artefact type	Dimensions (Average)			
	Weight (g)	Max. length (cm)	Max. width (cm)	Max. thickness (cm)
Single-platform core	379.40	8.35	7.05	2.80
Bidirectional core	182.60	6	5.90	5.50
multiplatform core	207.10	7.73	6.54	3.51
Radial core	171.30	7.80	5.50	2.90
Bifacial tools	371.40	14.10	6.80	3.50
Assayed cobble	12.80	12.70	12.40	6.60
Bipolar flake	168.2	7.91	5.24	2.64

Table S3. The dorsal scar count of the flakes. ERF: early reduction flake; RERF: retouched early reduction flake; RF: redirecting flake; TERF: truncated early reduction flake; TRF: truncated redirecting flake.

Freehand percussion flake	Dorsal scar count (>20 mm)											
	0 (All cortical)		1		2		3		4		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
ERF	8	57.14	4	28.57	1	7.14	0	0	1	7.14	14	100
RERF	10	50	3	15	3	15	3	15	1	5	20	100
RF	0	0	0	0	0	0	1	100	0	0	1	100
TERF	1	14.29	4	57.14	2	28.57	0	0	0	0	7	100
TRF	0	0	0	0	1	100	0	0	0	0	1	100

Table S4. The flake scar count of the cores.

Core	Flake scar (> 20 mm)						Total
	4	5	6	7	8	10	
Single-platform core	0	2	0	0	0	0	2
Bidirectional core	0	0	1	0	0	0	1
Multipatform core	1	1	1	1	0	1	5
Radial	0	0	0	0	1	0	1
Total	1	3	2	1	1	1	9

Table S5. The type of striking platforms.

Freehand percussion flake	Striking platform type										Total	
	Plain		Cortical		Dihedral		Partly cortical		<i>na (broken platform)</i>			
	n	%	n	%	n	%	n	%	n	%	n	%
ERF	4	28.57	6	42.86	2	14.29	2	14.29	0	0	14	100
RERF	3	15	11	55	3	15	3	15	0	0	20	100
RF	1	100	0	0	0	0	0	0	0	0	1	100
TERF	1	14.29	5	71.43	0	0	0	0	1	14.29	7	100
TRF	1	100	0	0	0	0	0	0	0	0	0	0

Table S6. The dorsal surface morphology of the flakes. ERF: early reduction flake; RERF: retouched early reduction flake; RF: redirecting flake; TERF: truncated early reduction flake; TRF: truncated redirecting flake; AC: All cortical; C-D: cortical–distal; C-RL: cortical–right lateral; C-LL: cortical–left lateral; R: radial; U-P; unidirectional parallel; U-O: unidirectional–opposed.

Freehand percussion flake	Dorsal surface morphology																	
	AC		C-D		C-RL		C-LL		R		U-P		U-O		B-O		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
ERF	8	57.14	2	14.29	0	0	0	0	1	7.14	3	21.43	0	0	0	0	14	100
RERF	9	45	1	5	0	0	4	20	0	0	4	20	2	10	0	0	20	100
RF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	100	1	100
TERF	2	28.57	2	28.57	1	14.29	0	0	0	0	2	28.57	0	0	0	0	7	100
TRF	0	0	0	0	0	0	0	0	0	0	0	0	1	10	0	0	1	100

Table S7. External platform angle (EPA) of the flakes. Early reduction flake, including retouched early reduction flake and truncated early reduction flake; redirecting flake, including truncated redirecting flake; unidentified indicated the unidentified EPA during the broken platform.

Striking platform type	External platform angle											
	70°–79°		80°–89°		90°–99°		100°–>100°		Unidentified		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<i>Early reduction flake</i>												
Plain	1	12.50	0	0	5	62.50	2	25	0	0	8	100
Cortical	5	22.73	1	4.55	12	59.09	3	13.64	0	0	22	100
Dihedral	0	0	1	20	3	60	1	20	0	0	5	100
Partly cortical	0	0	1	20	3	60	1	20	0	0	5	100
Unidentified	0	0	0	0	0	0	0	0	1	100	1	100
<i>Redirecting flake</i>												
Plain	0	0	0	0	2	100	0	0	0	0	2	100