ECONOMIC CENSUS 2023
RESEARCH AND DEVELOPMENT STATISTICS

KEY STATISTICS

NUMBER OF ESTABLISHMENTS
3,007 establishments

VALUE ADDED
RM450,376.3 million

R&D EXPENDITURE
RM12,813.0 million

NUMBER OF PERSONS ENGAGED
1,125,838 persons

GROSS OUTPUT
RM1,549.8 billion

SALARIES & WAGES
RM65,709.4 million

INTERMEDIATE INPUT
RM1,099.3 billion

FIXED ASSET
RM663,401.6 million

R&D EXPENDITURE BY SECTOR

Agriculture
RM9.9 million
(0.1%)

Mining & quarrying
RM453.0 million
(3.5%)

Manufacturing
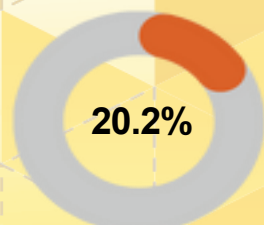RM9,498.9 million
(74.1%)

Construction
RM9.5 million
(0.1%)

Services
RM2,841.6 million
(22.2%)

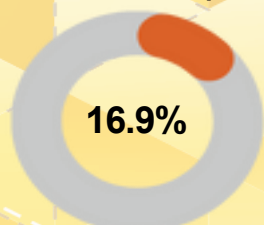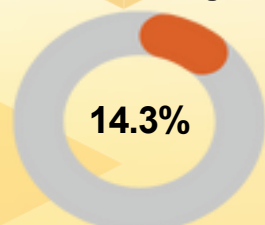## TOP CONTRIBUTORS IN R&D EXPENDITURE BY STATE

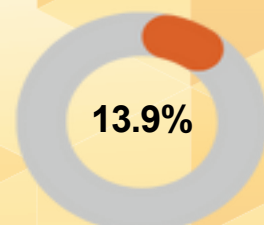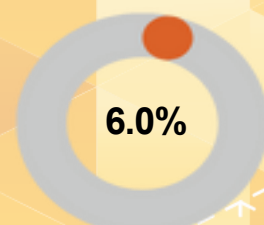| Selangor	W.P. Kuala Lumpur	Pulau Pinang	Johor	Kedah
20.2%	16.9%	14.3%	13.9%	6.0%
RM2,589.0 million	RM2,171.2 million	RM1,832.1 million	RM1,784.4 million	RM772.6 million

Percentage share

Note: R&D: Research & Development

Source: Economics Census 2023, Department of Statistics Malaysia (DOSM)