

Appendix

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APPENDIX

1. Coding system for Indonesia-Japan bilateral input-output table (128 Sectors)

<u>row</u>	<u>sector</u>	<u>column</u>	<u>sector</u>	<u>description</u>
AI	001	AI	001	
:		:		Indonesia, intermediate sector
AI	128	AI	128	
AI	900	AI	900	sub total (AI 001-AI 128)
AJ	001	AJ	001	
:		:		Japan, intermediate sector
AJ	128	AJ	128	
AJ	900	AJ	900	sub total (AJ 001-AJ 128)
BF	001			freight+insurance
CW	001			
:				intermediate input from the rest of the world*
CW	128			
CW	900			sub total (CW 001-CW 128)
DT	001			import duties and import commodity taxes
ET	900	ET	900	total intermediate input or output
VV	001			(compensation to employees)
VV	002			(operating surplus)
VV	003			value added (depreciation)
VV	004			(indirect tax)
VV	005			(subsidy)
VV	900			sub total (VV 001-VV 005)
XX	600			total input (ET 900+VV 900)
		FI	001	(private consumption)
		FI	002	Indonesia, final demand (government consumption)
		FI	003	(fixed capital formation)
		FI	004	(change in stocks)
		FI	900	sub total (FI 001-FI 004)
		FJ	001	(private consumption)
		FJ	002	Japan, final demand (government consumption)
		FJ	003	(fixed capital formation)
		FJ	004	(change in inventories)
		FJ	900	sub total (FJ 001-FJ 004)
		FX	900	final demand total (FI 900+FJ 900)
		GI	900	Indonesia total demand (AI 900+FI 900)
		GJ	900	Japan total demand (AJ 900+FJ 900)
		LC	001	export to China
		LH	001	export to Hong Kong
		LK	001	export to Korea
		LM	001	export to Malaysia
		LN	001	export to Taiwan
		LP	001	export to Philippines
		LS	001	export to Singapore
		LT	001	export to Thailand
		LU	001	export to USA
		LW	001	export to the rest of the world**
		LX	900	sub total (LC 001-LW 001)
		QX	001	statistical discrepancy
		XX	600	total output (GI 900+GJ 900+LX 900+QX 001)

* CW excludes only Indonesia and Japan.

** LW excludes China, Hong Kong, Korea, Malaysia, Taiwan, Philippines, Singapore, Thailand, USA, Indonesia and Japan.

2. Bilateral uniform i-o sector classifications (BUIO)

BUIO 128 sectors		Aggregation of 70 Sectors		Aggregation of 7 Sectors	
C o d e	Description	C o d e	Description	C o d e	Description
001	Paddy	01	paddy	01	Agriculture, livestock, Forestry, and Fishery
002	Other cereals	02	Other cereals		
003	Cassava	03	Root crops		
004	Potato and other root crops	04	Vegetables and fruits		
005	Vegetables				
006	Fruits				
007	Beans	05	Beans		
008	Rubber	06	Rubber		
009	Sugarcane	07	Sugarcane		
010	Coconut	08	Coconut		
011	Crude palm oil	09	Crude palm oil		
012	Tobacco leaves	10	Tobacco leaves		
013	Coffee beans and tea leaves	11	Coffee beans and tea leaves		
014	Inedible fibre crops	12	Inedible fibre crops		
015	Other estate crops	13	Other estate crops		
016	Other crops	14	Other crops		
017	Livestock	15	Livestock and its products		
018	Dairy farming				
020	Other animal raising				
019	Poultry and poultry products	16	Poultry and poultry products		
021	Wood and other forest products	17	Wood and other forest products		
022	Seafish and other sea products	18	Fishery products		
023	Inland water fish				
024	Crude petroleum and natural gas	19	Crude petroleum and natural gas	02	Mining and Quarrying
025	Non-ferrous metal ores	20	Non-ferrous metal ores		
026	Coal	21	Coal		
027	Quarrying products	22	Quarrying products		
028	Slaughtering	23	Processed and preserved fish, meat, vegetable and fruit, and dairy products	03	Manufacturing
029	Processed and preserved meat				
030	Dairy products				
031	Dried and salted fish				
032	Processed and preserved marine products				
033	Processed and preserved vegetable and fruits				
034	Animal, fish and vegetable oil	024	Animal fish and vegetable oil		
035	Milled and polished rice	025	Milled and polished rice		
036	Wheat flour and other milled cereals	026	Wheat flour and other milled cereals		
038	Sugar manufacturing	027	Sugar manufacturing		
040	Ground coffee and processed tea	028	Ground coffee and processed tea		
037	Bread, noodle and confectionery	029	Other processed foods		

BUJO 128 sectors		Aggregation of 70 Sectors		Aggregation of 7 Sectors	
C o d e	Description	C o d e	Description	C o d e	Description
041	Other processed foods	029		03	
042	Manufactured animal feed	(conti)		(conti)	
039	Syrup	030	Syrup and beverages		
043	Alcoholic beverage				
044	Non-alcoholic beverage				
045	Cigarette and other manufactured tobacco	031	Cigarette and other manufactured tobacco		
046	Yarn and textiles	032	Yarn and textiles		
047	Knitted products	033	Knitted products		
048	Wearing apparel	034	Wearing apparel		
049	Made-up textile goods, except wearing apparel	035	Other textile products		
050	Carpet, rope and the like				
051	Tanned and finished leather	036	Leather and leather products		
052	Leather footwear and other products				
053	Lumber	037	Lumber		
054	Plywood and other wooden products	038	Plywood and other wooden products		
055	Wooden furniture and fixture				
056	Pulp, paper and paperboard	039	Paper, paperboard and paper products		
057	Container, made of paper and paperboard				
058	Printed and published materials	040	Printed and published materials		
059	Basic chemical, other than fertilizer	041	Basic chemical, other than fertilizer		
060	Fertilizer and pesticide	042	Fertilizer and pesticide		
061	Synthetic rubber, resin and fibre	043	Chemical products		
062	Medicaments				
063	Soap, cosmetics, and the like				
064	Paint, varnish and lacquer				
065	Other chemical products				
066	Petroleum refinery products	044	Petroleum and coal products		
067	Coal product and paving materials				
068	Tyre and tube	045	Tyre and other rubber products		
069	Other rubber products				
070	Plastic products	046	Plastic products		
071	Glass and glass products	047	Glass and glass products		
072	Cement	048	Cement		
073	Cement, clay, ceramic and other non-metallic mineral products	049	Cement, clay, ceramic and other non-metallic mineral products		
074	Basic iron and steel, and their products	050	Basic iron and steel, and its product		
075	Non-ferrous basic metal	051	Non-ferrous basic metal		
076	Non-electrical kitchenware	052	Fabricated metal products		

BUIO 128 sectors		Aggregation of 70 Sectors		Aggregation of 7 Sectors	
C o d e	Description	C o d e	Description	C o d e	Description
077	Cutlery, handtool and mechanic tool	052 (conti)		03 (conti)	
078	Metalic furniture and fixture				
079	Structural metal products				
080	Other fabricated metal products				
081	Machine and apparatus, all kinds	053	Machine and apparatus, all kinds		
082	Generator and its apparatus	054	Generator and its apparatus		
083	Radio, TV, Audio and communication equipment and apparatus	055	Electrical equipment and apparatus		
084	Household electrical appliances				
085	Other electrical apparatus				
086	Battery				
087	Motor vehicle and motor cycle	056	Motrorized and non-motorized vehicles		
088	Non-motorized vehicles				
089	Ship and its repair	057	Other transport equipment		
090	Train and its repair				
091	Aircraft and its repair				
092	Professional, scientific and measuring instruments	058	Other manufactured products		
093	Photographic and optical goods				
094	Watch and clock				
095	Musical instruments				
096	Sporting goods				
097	Other manufacturing goods				
098	Electricity and gas supply	059	Electricity, gas and water supply	004	Electricity, gas and water supply
099	Water supply				
100	Residential and non-residential building	060	Construction	005	Construction
101	Public work in agriculture				
102	Public work on road, railroad and port				
103	Construction and installation of electricity, water and communication				
104	Other construction				
105	Wholesale and retail trade	061	Wholesale and retail trade	006	Trade and transport
106	Railway transport	062	Transport		
107	Road transport				
108	Sea transport				
109	Inland water transport				
110	Air transport				
111	Services related to transport				
112	Storage facility services				

BUJO 128 sectors		Aggregation of 70 Sectors		Aggregation of 7 Sectors	
C o d e	Description	C o d e	Description	C o d e	Description
113	Postal and telecommunication services	063	Postal and telecommunication services	007	Services
114	Financial services	064	Financial services		
115	Insurance				
116	Real estate and house rent	065	Real estate and business services		
117	Business services				
118	Public administration	066	Public administration		
119	Educational services	067	Social and community services		
120	Health services				
121	Other social and community services				
122	Restaurant	068	Amusement and recreational services		
123	Hotel				
124	Motion picture production and distribution				
125	Amusement and recreational services				
126	Repair services, n. e. c.	069	Other services		
127	Personal household services				
128	Unspecified sector	070	Unspecified sector		

3. Bridge of the "BUIO—Indonesian i-o sector classification (IIO) —Japanese i-o sector classification (JIO)"

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
001	Paddy	1-001	Paddy	0111-01	Rice
002	Other cereals	1-002	Maize	0111-03	Miscellaneous cereals
		1-003	Other cereals	0111-02	Barley and Wheat
003	Cassava	1-005	Cassava		
004	Potato and other root crops	1-006	Other root crops	0112-01	Potatoes
005	Vegetables	1-011	Vegetables	0113-01	Vegetables
006	Fruits	1-012	Fruits	0114-01	Fruits
007	Beans	1-008	Peanut	0112-02	Pulses
		1-009	Soybean		
		1-010	Other beans		
008	Rubber	1-013	Rubber	0116-09	Other inedible field crops
		3-104	Smoked & remilled rubber		
009	Sugarcane	1-014	Sugarcane and by product	0115-02	Field crops for sugar
010	Coconut	1-016	Coconut		
011	Crude palm oil	1-018	Palm oil		
012	Tobacco leaves	1-020	Tobacco	0116-02	Leaf tobacco
013	Coffee beans and tea leaves	1-021	Coffee	0115-03	Crops for beverages
		1-022	Tea		
014	Inedible fiber crops	1-019	Fibre crops		
015	Other estate crops	1-023	Clove	0115-09	Other edible field crops
		1-024	Pepper		
		1-025	Nutmeg		
		1-026	Other estate crops		
016	Other crops	1-027	Other crops	0115-01	Field crops for edible oil
				0116-01	Field crops for feed
				0116-03	Seeds
				0116-04	Flowers
				0131-01	Veterinary service
				0131-02	Agricultural services (except veterinary)
017	Livestock	1-028	Livestock and its products except fresh milk	0121-04	Pig raising
				0121-05	Beef cattle raising
018	Dairy farming	1-030	Milk livestock raising	0121-01	Dairy farming
019	Poultry and poultry products	1-031	Poultry and poultry products	0121-02	Egg hen
				0121-03	Fowls, n. e. c.
020	Other animal raising	1-032	Other animal raising	0121-09	Other livestock raising
				0122-01	Sericulture
021	Wood and other forest products	1-033	Wood	0211-01	Forest planting and conservation
		1-034	Other forest products	0212-01	Logging
		1-035	Hunting Products	0213-01	Cultivated and uncultivated forest products (inc. hunting)
				1131-02	Organic fertilizers, n. e. c.
022	Seafish and other sea products	1-036	Sea fish and other seaproducts	0311-01	Coastal water fishing

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
022 (conti)		1-036 (conti)		0311-02 0311-03 0311-04 1113-01	Off-shore water fishing Ocean water fishing Sea-shore water culture Frozen fishes and shellfishes
023	Inland water fish	1-037	Inland water fish	0312-01 0312-02	Inland water fishing Inland water culture
024	Crude petroleum and natural gas	2-040 3-102	Crude oil, Gas and Geothermal LNG	0721-01 0731-01	Crude petroleum Natural gas
025	Non-ferrous metal ores	2-045 2-042 2-041 2-043 2-044 2-046 2-047	Copper ore Tin ore Iron sand Nickel ore Bauxite ore Gold and silver ore Other non-ferrous metal	0612-01 0611-01	Non-ferrous metal ores Iron and ore mining
026	Coal	2-039	Coal	0711-01	Coal mining
027	Quarrying products	2-048 2-049 2-051	Chemical and fertilizer mineral Crude salt Quarrying, all kinds	0621-01 0621-09 0622-01 0622-02 0629-09	Limestone Other materials for ceramics Gravel and quarry Crushed stones Other non-metal ores
028	Slaughtering	1-029	Slaughtering	1111-01	Slaughtering and meat processing
029	Processed and preserved meat	3-052	Processed and preserved meat	1112-01 1112-02	Canned or bottled meat products Processed meat products
030	Dairy products	3-053	Dairy products	1112-04	Drinking milk and dairy products
031	Dried and salted fish	1-038	Dried and salted fish	1113-02	Salted, dried, and smoked seafoods
032	Processed and preserved marine products	3-055	Processed and preserved fish and the like	1113-03 1113-04 1113-09	Canned or bottled seafoods Kneaded fish meat Other processed seafoods
033	Processed and preserved vegetable and fruits	3-054	Processed and preserved vegetable and fruit	1115-03 1115-09 1119-03 1119-04	Bottled or canned agricultural products Other vegetables and fruits products Retort foods Frozen cooked foods
034	Animal, fish and vegetable oil	3-056 1-017	Vegetable and animal oil Farm vegetable oil except palm oil	1112-03 1113-05 1115-07	Animal oil and fat Fish oil and scrap Vegetable oil and waste
035	Milled and polished rice	1-004 3-057	Handpounded rice Milled and polished rice	1114-01	Grain polishing

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
036	Wheat flour and other milled cereals	1-007	Dried cassava & sago	1114-02	Flour manufacturing
		3-058	Other milled cereals	1115-05	Starch
		3-059	Wheat flour		
		3-060	Other flour		
037	Bread, noodle and confectionery	3-061	Bread and bakery product	1115-01	Noodles
		3-062	Noodle macaroni and similar product	1115-02	Bread and confectionry
		3-064	Chocolate and sugar confectionery		
038	Sugar manufacturing	1-015	Brown sugar	1115-04	Sugar
		3-063	Sugar		
039	Syrup	3-065	Syrup	1115-06	Glucose and isomerized sugar
040	Ground coffee and processed tea	3-066	Ground coffee	1129-01	Finished tea and coffee
		3-067	Processed tea		
041	Other processed foods	3-068	Processed soybean	1119-01	Salt
		3-069	Other foods	1119-02	Flavoring
				1119-09	Other foodstuffs
				1129-03	Ice manufacturing
042	Manufactured animal feed	3-070	Animal feed	1131-01	Feeds for animal and poultry
043	Alcoholic beverage	3-071	Alcoholic beverage	1121-01	Refined sake
				1121-02	Beer
				1121-03	Ethyl alcohol for liquor manufacturing
				1121-04	Whisky and brandy
				1121-09	Other liquor
044	Non-alcoholic beverage	3-072	Nonalcoholic beverage	1129-02	Soft drinks
045	Cigarette and other manufactured tobacco	3-073	Cigarette	1141-01	Tobacco
		3-074	Other processed tobacco		
046	Yarn and textiles	3-075	Spinning	1511-01	Silk-reeling
				1511-02	Cotton-yarn
				1511-03	Synthetic fiber yarn
				1511-04	Woolen yarn
				1511-09	Other fiber yarns
		3-076	Wearing	1512-01	Cotton and staple fibers fabrics (inc. fabrics of discontinuous synthetic fibers)
3-081	Other textiles	1512-02	Silk and artificial silk fabrics (inc. fabrics of continuous synthetic fibers)		
		1512-03	Woolen woven fabrics		
		1512-09	Other woven fabrics		
		1514-01	Yarn and fabric dyeing and finishing		
			1519-09	Other fabricated textile products	
047	Knitted products	3-078	Knitting	1513-01	Knit fabrics

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-0 (408 SECTORS)	
048	Wearing apparel	3-079	Wearing apparel	1521-01	Wearing apparel
				1522-01	Apparel accessories
049	Made-up textile goods, except wearing apparel	3-077	Make-up textile goods, except wearing apparel	1519-04	Textile for medical use
				1529-01	Cotton and beddings
				1529-09	Other ready-made textile products
050	Carpet, rope and the like	3-080	Carpet, rope and the like	1519-01	Straw and rush products
				1519-02	Ropes and nets
				1519-03	Carpets and floor mats
051	Tanned and finished leather	3-082	Tanned and finished Leather	2412-01	Leather and fur products (exc. wearing apparel)
052	Leather footwear and other products	3-083	Footwear and leather product	2411-01	Leather footwears
				2412-02	Luggage, bags and miscellaneous leather products
053	Lumber	3-084	Sawn and processed wood	1611-01	Sawn lumber
054	Plywood and other wooden products	3-085	Plywood and the like	1611-02	Plywood
		3-086	Wooden construction material	1611-03	Wooden chips
		3-088	Other wood and cork product	1619-09	Other wooden products
		3-089	Wooden goods other than plastic		
055	Wooden furniture and fixture	3-087	Furniture and fixture made of wood, Bamboo and Rattan	1711-01	Wooden furniture and accessories
				1711-02	Wooden fixtures
056	Pulp, paper and paperboard	3-090	Paper and cardboard	1811-01	Pulp
				1812-01	Machine-made paper and Japanese paper
				1813-01	Paper board
				1813-02	Corrugated card board
				1813-03	Coated paper and paper converted for construction use
				1829-09	Other pulp, paper, and converted paper products
057	Container, made of paper and paperboard	3-091	Paper and cardboard product	1821-01	Corrugated cardboard boxes
				1821-09	Other paper containers
058	Printed and published materials	3-092	Printed and published material	1911-01	Newspapers
				1911-02	Printing, engraving and book-binding
				1911-03	Publishing
059	Basic chemical other than fertilizer	3-093	Basic chemical other than fertilizer	2011-01	Ammonia
				2021-01	Industrial soda chemicals
				2029-01	Sulfuric acid
				2029-02	Inorganic pigment
				2029-03	Compressed gas and liquefied gas
				2029-09	Other inorganic basic chemicals

BUJO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
059 (conti)		3-093 (conti)		2031-01	Petrochemical basic products
				2031-02	Petrochemical aromatic products
				2032-01	Aliphatic intermediates
				2032-02	Cyclic intermediates
				2039-01	Coal tar products
				2039-02	Methane derivatives
				2039-03	Oil and fat industrial chemicals
				2039-04	Plasticizers
				2039-09	Other organic basic chemicals
060	Fertilizer and pesticide	3-094	Fertilizer and pesticide	2011-02	Elemental fertilizers
				2011-03	Combined and compound fertilizers
				2079-01	Agricultural chemicals
061	Synthetic rubber, resin and fibre	3-095	Synthetic rubber, resin and fiber, and plastic material	2033-01	Synthetic rubber
				2041-01	Thermo-setting resin
				2041-02	Thermoplastic resin
				2041-03	High functionality resin
				2041-09	Other resin
				2051-01	Artificial silk and staple fibers
				2051-02	Synthetic fiber
062	Medicaments	3-097	Medicine	2061-01	Medicaments
		3-100	Traditional medicine		
063	Soap, cosmetics, and the like	3-098	cleaning material and cosmetic	2071-01	Soap, synthetic detergents and surface active agents
				2071-02	Cosmetics, toilet preparations and dentifrices
064	Paint, vernish and lacquer	3-096	Paint, varnish and lacquer	2072-01	Paints, varnish and lacquer
065	Other chemical products	3-099	Other chemical product	2039-05	Synthetic dye
				2072-02	Printing ink
				2073-01	Photographic sensitive materials
				2079-02	Gunpowder
				2079-09	Other final chemical products
066	Petroleum refinery products	3-101	Oil refinery	2111-01	Petroleum refinery products
067	Coal product and paving materials	2-050	Natural asphalt	2121-01	Coal products
		3-103	Coal product	2121-02	Paving materials
068	Tyre and tube	3-105	Tyre and tube	2311-01	Tires and inner tubes
069	Other rubber products	3-106	Other rubber product	2319-01	Rubber footwears
				2319-09	Other rubber products
070	Plastic products	3-107	Plastic ware	1829-01	Cellophane
				2211-01	Plastic products
				2319-02	Plastic footwear
071	Grass and glass products	3-109	Glass and Glassware	2511-01	Sheet glass and safety galss

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)			
071 (conti)		3-109 (conti)		2512-01	Glass fiber and glass fiber products		
				2519-09	Other glasses and glass products		
072	Cement	3-111	Cement and lime	2521-01	Cement		
073	Cement, clay, ceramic and other non-metallic mineral products	3-108	Ceramic and earthen ware	2522-01	Ready-mixed concrete		
				3-110	Structural clay and ceramic product	2523-01	Cement products
				3-112	Other nonmetallic mineral product	2531-01	Ceramic wares
						2599-01	Clay refractories
						2599-02	Other structural clay products
						2599-03	Carbon and graphite products
						2599-04	Abrasives
			2599-09	Miscellaneous ceramics, stone and clay products			
074	Basic iron and steel, and their products	3-113	Basic iron, steel and steel product	2611-01	Pig iron		
				2611-02	Ferro alloy		
				2611-03	Crude steel		
				2612-11	Iron scrap		
				2621-01	Hot rolled steel		
				2622-01	Steel pipes and tubes		
				2623-01	Cold-finished steel		
				2623-02	Coated steel		
				2631-01	Cast and forged steel		
				2631-02	Cast iron pipes and tubes		
				2631-03	Cast and forged materials (iron)		
2631-04	Iron and steel shearing and slitting						
2631-09	Other steel products						
075	Non-ferrous basic metal	3-114	Nonferrous basic metal	2711-01	Copper		
				2711-02	Lead (inc. regenerated lead)		
				2711-03	Zinc (inc. regenerated zinc)		
				2711-04	Aluminum		
				2711-09	Other non-ferrous metals		
				2712-011	Non-ferrous metal scrap		
				2722-01	Rolled and drawn copper and alloys		
				2722-02	Rolled aluminum products		
				2722-03	Non-ferrous metal castings and forgings		
				2722-04	Nuclear fuels		
2722-09	Other non-ferrous metal products						
076	Non-electrical kitchenware	3-115	Kitchenware	2891-01	Gas and oil appliances, heating and cooking apparatus		

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
077	Cutlery, hand tool and mechanic tool	3-116	Cutlery and agricultural tool	2899-03	Plumber's supplies, powder metallurgy products and tools
				3019-03	Machinists' precision tools
078	Metallic furniture and fixture	3-117	Metallic furniture and fixture	1711-03	Metallic furniture and accessories
079	Structural metal products	3-118	Structural metal product	2811-01	Metal products for construction
				2812-01	Metal products for architecture
080	Other fabricated metal products	3-119	Other metal products	2899-01	Bolts, nuts, rivets, and springs
				2899-02	Metal containers, fabricated plate and sheet metal
				2899-09	Other metal products
081	Machine and apparatus, all kinds	3-120	Machine and apparatus except electrical machinery	3011-01	Boilers and turbines
				3011-02	Engines
				3012-01	Conveyors
				3013-01	Refrigerators and air conditioning apparatus
				3019-01	Pumps and compressors
				3019-02	Sewing machines and knitting machinery
				3019-09	Other general industrial machinery and equipment
				3021-01	Mining, civil engineering and construction machinery
				3022-01	Chemical machinery
				3023-01	Industrial robots
				3024-01	Metal machine tools
				3024-02	Metal processing machinery
				3029-01	Agricultural machinery
				3029-02	Textile machinery
				3029-03	Food processing machinery
				3029-09	Other special industrial machinery
				3031-01	Metal mold
				3031-02	Bearings
				3031-09	Other general machines and parts
				3032-10	Repairs of general machinery
				3111-01	Office machines
				3112-01	Machinery for service industry
				3311-01	Electronic computing equipment
				3311-02	Electronic computing equipment accessories
				3421-05	Wiring devices and supplies
				3421-06	Electrical equipment for internal combustion engines
				3919-04	Ordnance

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
082	Generator and its apparatus	3-121	Electrical machinery and apparatus	3411-01	Rotating electrical machinery
				3411-02	Relay switches and switchboards
				3411-03	Other electricity transmission and distribution apparatus
				3411-09	Other industrial heavy electrical equipment
083	Radio, TV, Audio and communication equipment and apparatus	3-122	Communication equipment and apparatus	3211-01	Electric audio equipment
				3211-02	Radio and television sets
				3211-03	Magnetic recording and playback equipment (VCR)
				3321-01	Wired communication equipment
				3321-02	Radio communication equipment
				3321-09	Other communication equipment
				3341-01	Semiconductor devices and integrated circuits
				3421-02	Electric lighting fixtures
				3431-01	Electron tubes
				3431-02	Parts and accessories of electric audio equipment
				3431-09	Parts and accessories of electric and communication equipment
				3432-10	Repair of electric machinery
084	Household electrical appliances	3-123	Household electrical appliances	3211-09	Other household electric appliances
085	Other electrical apparatus	3-124	Other electrical apparatus	2721-01	Electric wires & cables
				3421-04	Electrical bulbs
				3421-09	Other weak electrical equipment
086	Battery	3-125	Accumulator and dry battery	3421-03	Batteries
087	Motor vehicle and motor cycle	3-128	Motor vehicle except motor cycle	3511-01	Passenger cars
		3-129	Motorcycle	3521-01	Trucks, buses, and other motor vehicles
				3541-01	Motor vehicle bodies
				3541-02	Internal combustion engines for motor vehicles and their parts
				3541-03	Motor vehicle parts and accessories
				3531-01	Two wheel motor vehicles
088	Nonmotorized vehicles	3-130	Nonmotorized vehicles	3629-01	Bicycles
089	Ship and its repair	3-126	Ship and its repair & maintenance	3611-01	Steel ships
				3611-02	Other ships
				3611-03	Internal combustion engine for vessel
				3611-10	Repair of ships

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
090	Train and its repair	3-127	Train and its repair & maintenance	3621-01	Railroad cars
				3621-10	Repair of railroad cars
091	Aircraft and its repair	3-131	Aircraft and its repair & maintenance	3622-01	Aircrafts
				3622-10	Repair of aircrafts
092	Professional, scientific and measuring instruments	3-132	Professional, scientific and measuring equipment	3331-01	Applied electronic equipment
				3421-01	Electric measuring instruments
				3719-01	Physical and chemical instruments
				3719-02	Analytical instruments, testing machines and measuring instruments
				3719-03	Medical instruments
				3719-10	Repair of precision instruments
093	Photographic and optical goods	3-133	Photographic and optical good	3711-01	Cameras
				3711-09	Other photographic and optical instruments
094	Watch and clock	3-134	Watch and clock	3712-01	Watches and clocks
095	Musical instruments	3-136	Musical instrument	3919-01	Musical instruments and record disks
096	Sporting goods	3-137	Sporting goods	3911-02	Sporting and athletic goods
097	Other manufacturing goods	3-135	Jewelry article	3911-01	Toys
		3-138	Other industrial goods, N.E.C.	3919-02	Writing instruments and stationery
				3919-03	Small personal adornments
				3919-09	Miscellaneous manufacturing products
				3629-09	Other transport machinery
				3629-10	Repair of other transport machinery
098	Electricity and gas supply	4-139	Electricity and gas	5111-01	Electric power (atomic power)
				5111-02	Electric power (thermal power)
				5111-03	Electric power (water power, etc.)
				5111-04	Self power generation
				5121-01	Gas supply
				5122-01	Steam and hot water supply
099	Water supply	4-140	Water supply	5211-01	Water supply
				5211-02	Industrial water supply
100	Residential and non-residential building	5-141	Residential and non-residential building	4111-01	New residential construction (wooden)
				4111-02	New residential construction (non-wooden)
				4112-01	New non-residential construction (wooden)

BUJO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
100 (conti)		5-141 (conti)		4112-02	New non-residential construction (non-wooden)
				4121-01	Repair of buildings
101	Public work in agriculture	5-142	Public work in agriculture	4131-03	Agricultural public utility construction
102	Public work on road, railroad and port	5-143	Public work on road, railroad and port	4131-01	Public utility construction and maintenance of roads
				4131-02	Public utility construction and maintenance of rivers, drainers and others
				4132-01	Railway construction
103	Construction and installation of electricity, water and communication	5-144	Construction and installation of electricity, gas, water and communication	4132-02	Electric utility facilities construction
				4132-03	Telecommunications facilities construction
104	Other construction	5-145	Other constructions	4132-09	Other civil engineering and construction
105	Wholesale and retail trade	6-146	Trade	6111-01	Wholesale trade
				6112-01	Retail trade
106	Railway transport	7-149	Railway transport	7111-01	National railway transport (except passengers of exceptional reduced fare line)
				7112-01	National railway transport (passengers of exceptional reduced fare line)
				7113-01	Local railways and tramway transport
				7122-02	Railway forwarding
107	Road transport	7-150	Road transport	7121-01	Bus transport
				7121-02	Limousine and taxi transport
				7122-01	Road freight transport
108	Sea transport	7-151	Sea transport	7141-01	Ocean transport
109	Inland water transport	7-152	Inland water transport	7142-01	Coastal and inland water transport
110	Air transport	7-153	Air transport	7151-01	Air transport
111	Services related to transport	7-154	Service allied to transport	7143-01	Transport services in harbor
				7171-01	Packing
				7179-01	Road transport facilities services
				7179-02	Services related to water transport (public)
				7179-03	Services related to water transport (industrial)
				7179-04	Services related to air transport (public)
				7179-05	Services related to air transport (industrial)
				7179-09	Other transport services
112	Storage facility services	7-155	Storage and warehousing	7161-01	Storage facility services
113	Postal and telecommunication services	7-156	Communication	7311-01	Postal service

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
113 (conti)		7-156 (conti)		7312-01	Domestic telecommunication service
				7312-02	International telecommunication service
				7319-09	Other services related to communication
114	Financial services	8-157	Banking and other financial institution	6211-01	Financial service
115	Insurance	8-158	Insurance	6212-01	Life insurance
				6212-02	Casualty insurance
116	Real estate and house rent	8-159	Real estate	6411-01	Real estate agencies and managers
				6411-02	Real estate rent
				6421-01	House rent
117	Business services	8-160	Business service	8511-01	Advertising
				8512-01	Information service
				8512-02	News syndicates and detective agencies
				8513-01	Renting and leasing of electronic computing equipment
				8513-02	Renting and leasing of office machines (exc. electronic computing equipment)
				8514-01	Renting and leasing of motor vehicles
				8519-01	Building maintenance service
				8519-02	Legal, financial and accounting services
				8519-03	Civil engineering and construction services
				8519-09	Other business services
118	Public administration	9-161	Public administration and defence	8111-01	Public administration (central)
				8112-01	Public administration (local)
119	Educational services	9-162	Educational service	8211-01	School education (public)
				8211-02	School education (private)
				8213-01	Social education (public)
				8213-02	Social education (private, non-profit)
				8213-03	Other education (public)
				8213-04	Other education (industrial)
120	Health services	9-163	Health service	8311-01	Medical service (public)
				8311-02	Medical service (private, non-profit)
				8311-03	Medical service (industrial)
				8311-04	Health and hygiene (public)
				8311-05	Health and hygiene (private, non-profit)
				8311-06	Health and hygiene (industrial)

BUJO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
121	Other social and community services	9-164	Other social and community service	5211-03	Sewage disposal (public)
				5212-01	Other sanitary services (public)
				5212-02	Other sanitary services (industrial)
				8211-03	School research institute (public, natural sciences)
				8211-04	School research institute (public, social sciences and humanities)
				8211-05	School research institute (private, natural sciences)
				8211-06	School research institute (private, social sciences and humanities)
				8221-01	Research institute (public, natural sciences)
				8221-02	Research institute (public, social sciences and humanities)
				8221-03	Research institute (industrial, natural sciences)
				8221-04	Research institute (industrial, social sciences and humanities)
				8312-01	Social insurance (public)
				8312-02	Social insurance (private, non-profit)
				8312-03	Social welfare service (public)
				8312-04	Social welfare service (private, non-profit)
				8411-01	Private non-profit organizations serving enterprises
8411-02	Private non-profit organizations serving households, n.e.c.				
122	Restaurant	6-147	Restaurant	8612-01	General eating and drinking places (except coffee shops)
				8612-02	Coffee shops
				8612-03	Amusement eating and drinking places
123	Hotel	6-148	Hotel	8613-01	Hotel and other lodging places
124	Motion picture production and distribution	9-165	Motion picture production and distribution	8611-01	Motion picture production and distribution
125	Amusement and recreational services	9-166	Amusement and recreational service	7321-01	Public broadcasting
				7321-02	Private broadcasting
				7321-03	Cable broadcasting
				8611-02	Movie theaters
				8611-03	Theater and entertainment facilities
				8611-04	Amusement halls
				8611-05	Other amusement and recreation facilities
8611-06	Theatrical companies				

BUIO (128 SECTORS)		INDONESIA I-O (170 SECTORS)		JAPAN I-O (408 SECTORS)	
125 (conti)		9-166 (conti)		8611-07	Other amusement and recreation services
126	Repair services, N. E. C.	9-167	Repair service, N. E. C.	3551-10	Repair of motor vehicles
				8619-07	Miscellaneous repairs, n.e.c.
127	Personal household servoces	9-168	Personal household service	8619-01	Cleaning, laundries and dyeing services
				8619-02	Barber shops
				8619-03	Beauty shops
				8619-04	Public baths
				8619-05	Photo studios
				8619-06	Funeral services
				8619-09	Other personal services
128	Unspecified sector	0-169	Unspecified sector	9000-00	Activities not elsewhere classified
		0-170	Dummy sector		

(Final demand)

INDONESIA, I-O		BUIO		JAPAN, I-O	
301	Private consumption expenditure	001	Private consumption expenditure	9121-00	Consumption expenditures of households
302	Government consumption expenditure	002	Government consumption expenditure	9130-10	Consumption expenditures of central government
				9130-20	Consumption expenditures of local government
303	Gross fixed capital formation	003	Gross fixed capital formation	9141-00	Gross domestic fixed capital formation (government)
				9142-00	Gross domestic fixed capital formation (private)
304	Change in stock	004	Change in stock	9150-10	Increase in finished goods of producer's stocks
				9150-20	Increase in half-finished goods and work-in-progress
				9150-30	Increase in goods of dealers' stocks
				9150-40	Increase in raw material stocks and supplies
				9150-50	Increase in unclassified stocks

(Value added)

INDONESIA, I-O		BUIO		JAPAN, I-O	
201	Wage and salary	201	Wage and salary	9311-000	Wages and salaries
				9312-000	Contribution of employers to social insurance
				9313-000	Other payments and allowances
202	Operating surplus	202	Operating surplus	9412-000	Operating surplus
203	Depreciation	203	Depreciation	9420-000	Depreciation of fixed capital
204	Indirect tax	204	Indirect tax	9430-000	Indirect taxes (excluding custom duties)
205	Subsidy	205	Subsidy	9440-000	(Less) Current subsidies

4. Abbreviations

BIO table	Bilateral Input-Output table
BUIO sector classification	Bilateral Uniform Input-Output sector classification
CBS	Central Bureau of Statistics, Indonesia
CCCN	Custom Co-operation Council Nomenclature
CIF	Cost, Insurance and Freight
FOB	Free on Board
IDE	Institute of Developing Economies, Japan
IIO sector classification	Indonesian Input-Output sector classification
ISIC	International Standard Industrial Classification
JIO sector classification	Japanese Input-Output sector classification
ROW	the Rest of the World

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