

Analysis of the COVID-19 Shock, Technology and Trade

Foreign Trade Partners Analysis - Indonesia and USA

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The ‘Rest’ industry category comprises several industries, including Agriculture, Construction and Mining, Services, Finance, Insurance and Real Estate, as well as Transport and Utilities. Domestic industries refers to Indonesian industries, and Foreign industries to US industries.

Bilateral Industry Trade Patterns

Table 1: Export Dynamics: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	No. IDN Firms in Industry	No. USA firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)
Manufacturing	Rest	275	456	6,419,496.7	3.95	10,711,258
Wholesale/Retail	Wholesale/Retail	63	136	3,034,624.2	8.75	4,290,743
Manufacturing	Wholesale/Retail	417	926	10,216,809.7	9.17	12,192,914
Manufacturing	Manufacturing	350	651	3,212,822.8	4.26	9,521,782
Wholesale/Retail	Manufacturing	70	102	844,385.1	3.81	3,408,058
Rest	Wholesale/Retail	53	143	3,378,477.1	7.17	10,262,383
Wholesale/Retail	Rest	46	66	3,584,605.1	2.43	45,121,222
Rest	Rest	50	129	10,050,000.9	9.30	103,438,504
Rest	Manufacturing	49	122	1,154,454.8	12.17	2,937,302

Table 2: Import Dynamics: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	No. IDN Firms in Industry	No. USA firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)
Manufacturing	Manufacturing	571	960	1,439,075.7	7.48	2,664,794
Manufacturing	Wholesale/Retail	391	475	2,694,835.2	5.21	3,504,222
Rest	Wholesale/Retail	139	266	2,218,562.6	8.36	7,308,599
Rest	Rest	145	240	1,188,126.7	4.90	6,699,339
Manufacturing	Rest	302	337	1,021,281.7	3.80	10,671,423
Wholesale/Retail	Manufacturing	403	731	598,624.9	3.43	4,006,286
Wholesale/Retail	Wholesale/Retail	235	324	582,467.4	2.55	8,619,691
Wholesale/Retail	Rest	184	238	393,679.2	2.69	1,117,697
Rest	Manufacturing	231	450	723,609.6	9.15	2,193,121

Bilateral Industry Trade Patterns: Dissaggregated by Product Category

Consumable Goods

Table 3: Exports Dynamics for Consumable Goods: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	Consumable Goods				Non-Consumable Goods			
		No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)	No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)
Manufacturing	Manufacturing	106	2,444,495.22	2.28	6,722,495.93	287	3,015,231.6	4.69	9,170,602
Manufacturing	Rest	121	1,566,143.36	3.38	3,281,167.14	206	7,649,797.3	4.15	15,746,358
Manufacturing	Wholesale/Retail	153	11,497,925.14	9.74	13,005,291.99	344	7,271,009.0	7.64	9,937,287
Rest	Manufacturing	5	2,575,763.87	2.87	4,336,305.09	47	929,563.1	13.24	2,758,384
Rest	Rest	3	163,895.86	4.31	133,613.02	49	10,245,068.6	9.33	110,121,952
Rest	Wholesale/Retail	6	413,094.18	9.00	373,095.86	51	3,462,367.1	6.68	11,853,129
Wholesale/Retail	Manufacturing	12	90,029.12	2.98	85,292.52	64	906,665.7	3.88	3,619,629
Wholesale/Retail	Rest	6	432,304.35	1.21	433,789.19	43	3,774,372.2	2.51	47,002,517
Wholesale/Retail	Wholesale/Retail	12	933,145.28	3.64	673,616.27	58	3,103,165.2	10.63	5,650,431

Table 4: Import Dynamics for Consumable Goods: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	Consumable Goods				Non-Consumable Goods			
		No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)	No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)
Manufacturing	Manufacturing	57	502,659.31	1.43	2,083,499.95	564	1,406,135.9	7.52	2,643,218
Manufacturing	Rest	32	17,348.51	1.47	13,091.16	291	1,057,979.1	3.79	10,919,136
Manufacturing	Wholesale/Retail	54	25,605.07	2.69	96,162.94	379	2,776,511.5	5.15	3,687,198
Rest	Manufacturing	32	26,658.26	2.33	87,017.83	229	726,204.2	9.10	2,157,629
Rest	Rest	15	39,882.71	1.57	108,803.99	145	1,184,000.9	4.85	6,660,212
Rest	Wholesale/Retail	23	99,758.04	3.30	422,676.35	138	2,218,012.9	8.30	6,851,305
Wholesale/Retail	Manufacturing	69	146,685.26	2.41	240,012.24	394	586,610.6	3.35	4,054,141
Wholesale/Retail	Rest	26	37,214.43	1.14	130,814.18	182	392,689.0	2.71	1,147,076
Wholesale/Retail	Wholesale/Retail	32	683,668.48	3.42	3,543,708.67	234	491,463.4	1.97	5,909,844

Durable Goods

Table 5: Exports Dynamics for Durable Goods: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	Consumable Goods				Non-Consumable Goods			
		No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)	No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)
Manufacturing	Manufacturing	26	3,823,502.23	1.93	10,089,690.85	336	3,050,824.1	4.43	8,436,878
Manufacturing	Rest	41	1,549,322.33	2.14	5,825,962.11	259	6,570,808.4	4.07	10,797,948
Manufacturing	Wholesale/Retail	62	6,081,703.65	4.89	5,979,238.39	396	9,806,424.3	9.61	12,330,632
Rest	Manufacturing	1	300.00	1.00	300.00	49	1,154,448.7	12.18	2,941,302
Rest	Rest	NA	NA	NA	NA	50	10,050,000.9	9.30	103,438,504
Rest	Wholesale/Retail	3	65,527.00	1.00	65,527.00	52	3,439,667.4	7.17	10,284,194
Wholesale/Retail	Manufacturing	6	84,697.33	1.13	128,704.95	68	861,746.6	3.86	3,462,700
Wholesale/Retail	Rest	2	2,415.94	1.67	1,610.63	46	3,584,500.0	2.42	45,154,598
Wholesale/Retail	Wholesale/Retail	4	364,063.31	2.47	209,633.23	62	3,060,081.8	9.14	4,563,161

Table 6: Import Dynamics for Durable Goods: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	Durable Goods				Non-durable Goods			
		No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)	No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)
Manufacturing	Manufacturing	7	8,351.75	1.00	9,778.28	571	1,438,973.3	7.49	2,667,210
Manufacturing	Rest	3	13,655.93	1.00	23,614.80	301	1,024,538.5	3.77	10,685,893
Manufacturing	Wholesale/Retail	8	9,405.13	1.00	8,050.56	386	2,729,547.4	5.22	3,509,770
Rest	Manufacturing	5	20,625.99	3.29	21,860.62	231	723,163.2	9.13	2,185,936
Rest	Rest	5	59,701.81	1.73	106,971.60	145	1,186,068.0	4.84	6,692,921
Rest	Wholesale/Retail	6	32,682.50	3.95	62,327.07	139	2,217,151.9	8.28	7,275,645
Wholesale/Retail	Manufacturing	19	69,772.23	1.56	118,447.63	400	599,800.4	3.42	4,027,077
Wholesale/Retail	Rest	7	42,916.84	1.00	86,881.05	184	392,046.5	2.69	1,123,169
Wholesale/Retail	Wholesale/Retail	9	642,930.45	2.69	851,328.44	234	560,228.5	2.50	8,044,169

Products in China E-commerce tax list

Table 7: Exports Dynamics for products in China E-commerce tax list: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	China E-commerce Product				Non-China E-commerce Product			
		No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)	No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)
Manufacturing	Manufacturing	176	2,302,457.5	3.58	4,079,189.2	249	2,888,576.1	3.95	9,166,136.4
Manufacturing	Rest	163	1,688,935.5	3.98	3,492,713.7	182	8,187,170.9	3.42	19,981,554.4
Manufacturing	Wholesale/Retail	228	9,701,121.7	9.80	12,538,993.4	299	6,851,350.8	6.67	8,738,858.6
Rest	Manufacturing	15	1,861,620.2	2.56	5,954,303.7	42	681,999.6	14.63	831,878.6
Rest	Rest	19	3,134,477.5	3.37	12,091,045.1	42	10,546,308.9	10.72	97,079,052.7
Rest	Wholesale/Retail	28	493,483.9	6.09	935,453.8	37	4,465,992.9	7.23	13,224,971.1
Wholesale/Retail	Manufacturing	37	261,627.3	4.93	341,954.1	49	1,008,709.0	2.65	3,355,937.1
Wholesale/Retail	Rest	28	2,654,213.3	1.43	22,336,388.5	29	3,123,236.6	2.46	22,915,556.4
Wholesale/Retail	Wholesale/Retail	37	1,121,550.6	3.94	1,392,985.1	45	3,326,310.1	9.64	5,033,821.2

Table 8: Import Dynamics for products in China E-commerce tax list: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	China E-commerce Product				Non-China E-commerce Product			
		No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)	No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)
Manufacturing	Manufacturing	255	652,417.0	3.34	1,693,449.6	522	1,255,451.9	7.06	2,585,330.6
Manufacturing	Rest	116	107,121.6	1.88	294,111.8	265	1,116,984.7	3.58	9,633,454.3
Manufacturing	Wholesale/Retail	165	1,168,439.2	2.62	2,818,234.2	339	2,539,492.9	5.11	3,445,048.2
Rest	Manufacturing	131	139,776.9	5.02	353,017.1	205	726,063.6	8.39	2,100,951.7
Rest	Rest	87	541,292.8	2.66	1,526,399.3	116	1,079,188.8	4.65	5,627,846.5
Rest	Wholesale/Retail	74	213,183.0	5.12	1,729,603.0	122	2,398,398.9	7.91	5,703,660.4
Wholesale/Retail	Manufacturing	265	285,283.1	2.70	853,424.4	339	488,630.8	3.04	3,586,645.7
Wholesale/Retail	Rest	108	345,707.8	2.75	812,534.7	142	247,186.8	2.07	790,172.6
Wholesale/Retail	Wholesale/Retail	132	623,749.3	2.68	13,222,586.5	192	284,088.2	2.05	773,608.8

e-Bay tradable products

Table 9: Exports Dynamics for e-Bay tradable products: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	e-Bay tradable product				Non-e-Bay tradable product			
		No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)	No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)
Manufacturing	Manufacturing	140	3,091,597.7	4.63	9,839,867.5	266	2,600,241.7	3.37	7,362,910
Manufacturing	Rest	122	1,835,489.1	4.29	2,907,900.4	197	7,824,527.5	3.15	19,678,112
Manufacturing	Wholesale/Retail	164	12,648,016.5	10.87	15,902,354.6	313	6,984,456.6	7.00	7,691,303
Rest	Manufacturing	20	914,187.2	16.44	1,089,646.0	39	981,654.9	4.79	4,999,701
Rest	Rest	20	300,989.5	18.04	264,414.8	37	13,418,385.3	3.27	161,933,162
Rest	Wholesale/Retail	23	360,426.6	9.78	1,597,237.1	41	4,165,109.2	5.66	13,907,359
Wholesale/Retail	Manufacturing	27	289,636.4	4.11	380,925.2	54	949,755.0	3.25	3,377,387
Wholesale/Retail	Rest	15	4,660,666.6	2.00	60,967,693.6	34	2,793,583.4	2.60	6,760,635
Wholesale/Retail	Wholesale/Retail	19	514,306.7	4.46	757,057.1	54	3,359,435.1	9.54	5,033,403

Table 10: Import Dynamics for e-Bay tradable products: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	e-Bay tradable product				Non-e-Bay tradable product			
		No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)	No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)
Manufacturing	Manufacturing	188	356,930.74	7.63	1,498,250.1	532	1,418,438.5	5.85	2,643,938.2
Manufacturing	Rest	89	75,322.35	3.44	358,102.4	271	1,113,370.4	3.31	10,581,654.6
Manufacturing	Wholesale/Retail	138	130,752.66	5.15	303,724.2	336	3,082,252.0	3.96	4,564,020.4
Rest	Manufacturing	129	213,914.69	5.35	670,922.1	183	762,616.5	8.02	1,760,014.6
Rest	Rest	80	976,108.24	3.34	3,203,634.2	111	848,556.0	3.74	5,733,137.7
Rest	Wholesale/Retail	73	667,291.89	5.09	3,425,667.0	121	2,146,015.7	7.47	5,534,958.5
Wholesale/Retail	Manufacturing	197	238,525.81	2.26	683,948.5	349	556,608.2	3.39	3,770,971.8
Wholesale/Retail	Rest	79	319,840.26	3.50	1,029,763.2	154	306,296.1	1.85	798,800.7
Wholesale/Retail	Wholesale/Retail	102	190,116.23	3.07	831,370.2	196	599,428.5	1.98	10,555,645.3

Bilateral Industry Trade Patterns: Dissaggregated by Technology Adoption

Table 11: Exports Dynamics by Technology Adoption: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	E-commerce/E-payment Adopted				E-commerce/E-payment Not Adopted			
		No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)	No. IDN Firms in Industry	Avg. Export Value per IDN Firm to US Industry (\$)	Avg. No. US Importers per IDN firm	Avg. Value of Firm-to-Firm Exports (\$)
Manufacturing	Manufacturing	91	2,349,822.7	4.04	5,590,861.93	259	3,516,039	4.33	10,742,344
Manufacturing	Rest	79	16,364,713.2	4.62	28,717,096.24	196	2,410,966	3.70	3,968,389
Manufacturing	Wholesale/Retail	114	3,993,524.9	6.61	6,401,044.13	303	12,558,244	9.78	13,580,439
Rest	Manufacturing	15	106,831.4	24.00	79,541.74	34	1,616,642	4.65	4,751,248
Rest	Rest	23	7,652,439.7	16.40	5,378,723.65	27	12,092,368	4.16	174,381,194
Rest	Wholesale/Retail	23	489,146.2	6.73	1,869,389.76	30	5,593,631	7.35	13,686,302
Wholesale/Retail	Manufacturing	23	166,495.9	2.35	374,581.80	47	1,176,118	3.94	3,663,119
Wholesale/Retail	Rest	14	6,642,683.3	1.95	65,566,212.31	32	2,246,696	3.33	7,210,822
Wholesale/Retail	Wholesale/Retail	18	725,330.9	1.96	1,320,250.80	45	3,958,341	9.44	4,596,566

Table 12: Import Dynamics by Technology Adoption: Indonesia Industries Trading with USA Industries

IDN Industry	USA Industry	E-commerce/E-payment Adopted				E-commerce/E-payment Not Adopted			
		No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)	No. IDN Firms in Industry	Avg. Import Value per IDN Firm to US Industry (\$)	Avg. No. US Exporters per IDN firm	Avg. Value of Firm-to-Firm Imports (\$)
Manufacturing	Manufacturing	154	1,422,644.3	10.45	1,722,232.1	416	1,448,033.6	5.94	3,155,564.5
Manufacturing	Rest	94	331,531.7	4.66	511,470.1	208	1,332,995.6	3.34	16,149,036.2
Manufacturing	Wholesale/Retail	117	1,591,807.0	6.38	2,308,076.8	273	3,177,142.1	4.23	4,548,526.5
Rest	Manufacturing	64	1,262,391.4	12.85	2,025,371.8	167	517,130.3	6.42	2,316,748.0
Rest	Rest	48	1,694,096.7	5.04	4,152,929.4	96	947,497.4	4.68	10,789,317.8
Rest	Wholesale/Retail	38	1,821,264.6	10.19	9,999,978.7	101	2,368,041.1	4.57	1,730,320.5
Wholesale/Retail	Manufacturing	159	483,926.9	5.32	958,638.5	243	665,794.9	2.52	5,414,790.0
Wholesale/Retail	Rest	81	480,037.9	3.13	1,427,966.6	102	328,955.8	1.83	519,778.3
Wholesale/Retail	Wholesale/Retail	93	769,086.7	2.12	18,355,322.5	141	447,425.7	2.88	1,173,124.5