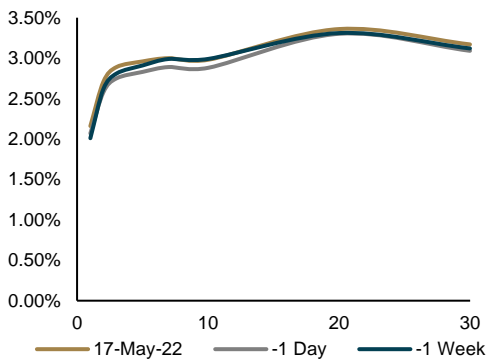


Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

Exhibit 2. Global Gov't Bond Yield

Countries	17-May-22	-1 Day	-1 Week
U.S	2.98%	2.89%	2.99%
U.K	1.88%	1.73%	1.96%
Germany	1.04%	0.93%	1.04%
Japan	0.24%	0.24%	0.23%
China	2.82%	2.82%	2.84%
Malaysia	4.41%	4.41%	4.42%
Thailand	3.30%	3.30%	2.92%

Source : Bloomberg

Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	2.98
Indo 5-Year CDS	bps	123.35
USD/IDR	points	14,650
BI 7DRR	%	3.50

Source : Bloomberg as of May 17, 2022

Tirta Widi Gilang Citradi

Economist & Fixed Income Analyst
tirta.citradi@mncgroup.com

Global Market Update

- Yield on UST notes were traded up 6-13 bps along the curve.
- Benchmark 10-year UST note yield was up 10 bps and closed at 2.98% on Tuesday (05/18/22).
- US equity market rebounded strongly. DJI was up +1.34% while S&P 500 and Nasdaq Composite jumped +2.02% and +2.76% respectively.
- On a data front, US retail sales came in as expected increasing by +0.9% MoM in Apr-22.
- Meanwhile industrial production rose +1.1% MoM in Apr-22, higher than previous month pace and consensus estimate each at +0.9% MoM and +0.5% MoM.
- Capacity utilization also rose to 79% in Apr-22 from 78.2% in Mar-22.
- Sentiment also came from former Fed's Chair Ben Bernanke that commented Fed had a mistake to let inflation jumped to the worst episode in the last 4 decades.

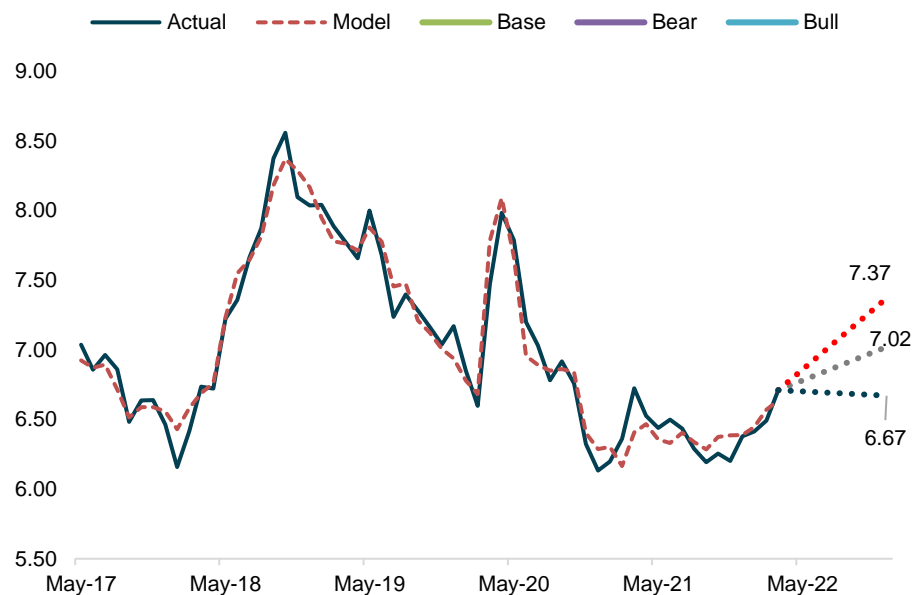
Domestic Market Update

- Yield on 10-year Indo GB dropped 5 bps to 7.31% on Tuesday (05/17/22).
- The IDR also weakened against USD and was closed to IDR 14.650/USD, the lowest in a year.
- However, Indonesia 5-year CDS rose to 123,35 bps from 115,10 bps previously.
- Indonesia trade balance recorded a surplus of USD7.56bn in Apr-22, the highest in history and marking 24 straight months of surplus.
- Indonesia exports jumped +3.11% MoM/+47.76% YoY while imports recorded a monthly decline of -10.01% MoM/+21.97% YoY.

Market Projection

- Given the recent development on global and domestic market and after a high yield spike, we expect the 10 year Indo GB yield to keep steady within a range of 7.20-7.40% for today.
- Attractive Indo GB series to be traded today : FR0070, FR0077, FR0090, FR0073, FR0091, FR0068, FR0072.

Exhibit 4. 10 Year Indo GB Fair Yield



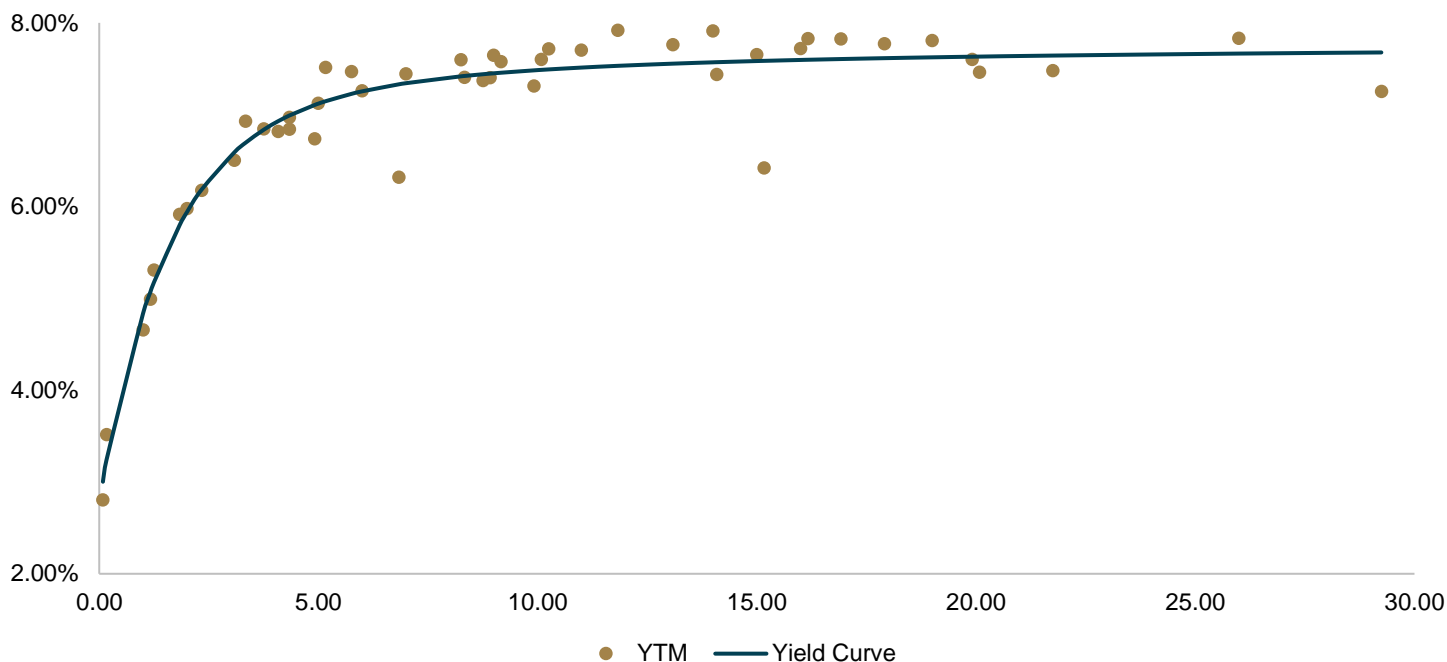
Source : Bloomberg, MNCS Calculation

Exhibit 5. Indo GB Series Valuation

Series	Coupon (%)	Maturity	TTM (Yr)	Last Price	YTM (%)	Yield Curve (%)	Fair Price	Notes
FR35	12.900	15-Jun-22	0.08	100.74	2.80%	3.00%	100.77	Fair
FR43	10.250	15-Jul-22	0.16	101.04	3.52%	3.24%	101.12	Discounted
FR63	5.625	15-May-23	0.99	100.93	4.66%	4.83%	100.76	Fair
FR46	9.500	15-Jul-23	1.16	105.00	4.99%	5.07%	104.93	Fair
FR39	11.750	15-Aug-23	1.25	107.63	5.31%	5.18%	107.83	Fair
FR70	8.375	15-Mar-24	1.83	104.18	5.91%	5.80%	104.40	Fair
FR77	8.125	15-May-24	2.00	103.97	5.98%	5.94%	104.06	Fair
FR44	10.000	15-Sep-24	2.33	108.15	6.18%	6.18%	108.14	Fair
FR81	6.500	15-Jun-25	3.08	99.98	6.51%	6.59%	99.74	Fair
FR40	11.000	15-Sep-25	3.33	111.88	6.93%	6.69%	112.64	Discounted
FR84	7.250	15-Feb-26	3.75	101.30	6.85%	6.84%	101.33	Fair
FR86	5.500	15-Jun-26	4.08	95.54	6.82%	6.93%	94.99	Fair
FR37	12.000	15-Sep-26	4.33	119.00	6.84%	6.99%	118.41	Fair
FR56	8.375	15-Sep-26	4.33	105.15	6.97%	6.99%	105.08	Fair
FR90	5.125	15-Apr-27	4.91	93.34	6.74%	7.11%	91.89	Premium
FR59	7.000	15-May-27	4.99	99.49	7.12%	7.12%	99.50	Fair
FR42	10.250	15-Jul-27	5.16	111.50	7.51%	7.15%	113.18	Discounted
FR47	10.000	15-Feb-28	5.75	111.63	7.47%	7.23%	112.83	Discounted
FR64	6.125	15-May-28	6.00	94.57	7.26%	7.26%	94.58	Fair
FR71	9.000	15-Mar-29	6.83	108.44	6.32%	7.33%	108.82	Premium
FR78	8.250	15-May-29	7.00	104.33	7.44%	7.34%	104.89	Fair
FR52	10.500	15-Aug-30	8.25	117.50	7.60%	7.42%	118.74	Fair
FR82	7.000	15-Sep-30	8.33	97.50	7.41%	7.42%	97.39	Fair
FR87	6.500	15-Feb-31	8.75	94.45	7.37%	7.44%	94.01	Fair
FR85	7.750	15-Apr-31	8.91	102.22	7.40%	7.45%	101.93	Fair
FR73	8.750	15-May-31	9.00	107.06	7.65%	7.45%	108.40	Fair
FR54	9.500	15-Jul-31	9.16	112.50	7.58%	7.46%	113.36	Fair
FR91	6.375	15-Apr-32	9.91	93.47	7.31%	7.48%	92.33	Fair
FR58	8.250	15-Jun-32	10.08	104.50	7.60%	7.49%	105.31	Fair
FR74	7.500	15-Aug-32	10.25	98.46	7.72%	7.49%	100.03	Discounted
FR65	6.625	15-May-33	11.00	92.09	7.70%	7.51%	93.43	Fair
FR68	8.375	15-Mar-34	11.83	103.43	7.92%	7.53%	106.50	Discounted
FR80	7.500	15-Jun-35	13.08	97.86	7.76%	7.56%	99.52	Fair
FR72	8.250	15-May-36	14.00	102.83	7.91%	7.57%	105.79	Discounted
FR88	6.250	15-Jun-36	14.08	89.73	7.44%	7.57%	88.66	Fair
FR45	9.750	15-May-37	15.00	118.50	7.65%	7.59%	119.19	Fair
FR93	6.375	15-Jul-37	15.16	99.56	6.42%	7.59%	89.17	Premium
FR75	7.500	15-May-38	16.00	97.99	7.72%	7.60%	99.11	Fair
FR50	10.500	15-Jul-38	16.16	124.25	7.83%	7.60%	126.72	Discounted
FR79	8.375	15-Apr-39	16.91	105.08	7.83%	7.61%	107.23	Fair
FR83	7.500	15-Apr-40	17.91	97.38	7.77%	7.62%	98.86	Fair
FR57	9.500	15-May-41	19.00	116.59	7.81%	7.63%	118.65	Fair
FR62	6.375	15-Apr-42	19.91	87.50	7.60%	7.63%	87.22	Fair
FR92	7.125	15-Jun-42	20.08	96.49	7.46%	7.63%	94.81	Fair
FR67	8.750	15-Feb-44	21.75	113.50	7.48%	7.64%	111.61	Fair
FR76	7.375	15-May-48	26.00	94.94	7.83%	7.67%	96.73	Fair
FR89	6.875	15-Aug-51	29.25	95.44	7.25%	7.68%	90.67	Premium

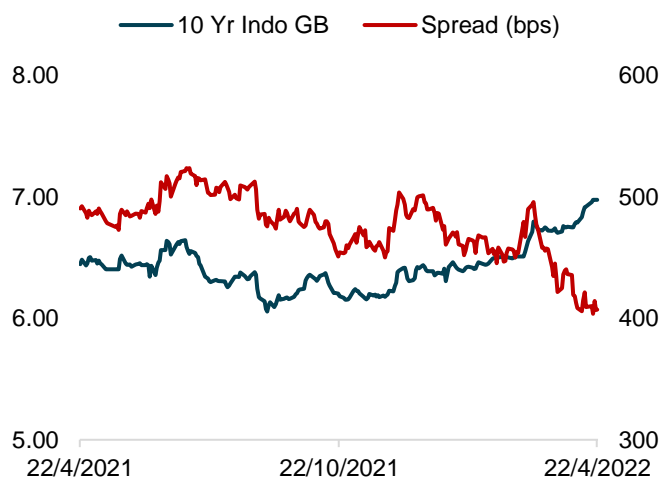
Source : Bloomberg, MNCS Calculation as of May 17, 2022

Exhibit 6. Indo GB Yield Curve



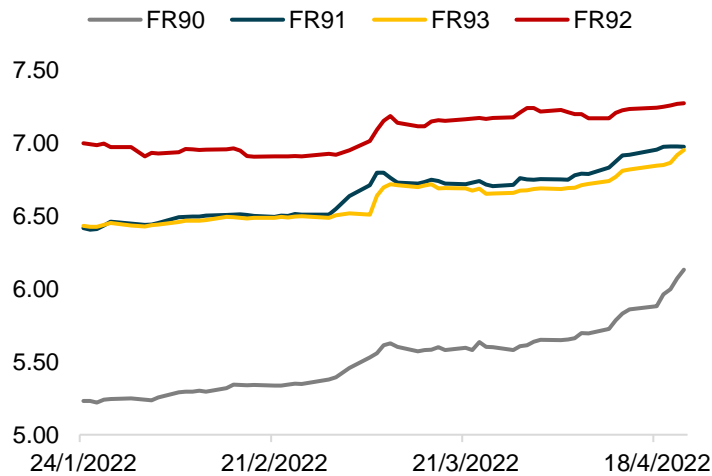
Source : Bloomberg, MNCS Calculation as of May 17, 2022

Exhibit 7. 10 Year U.S. Treasury & Indo GB Spread



Source : Bloomberg, MNCS Calculation

Exhibit 8. Indo GB Benchmark Series Yield (%)



Source : Bloomberg

Exhibit 9. Indo GB Ownership by Type of Investors (%)

Bond Holder	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Bank	36.33	32.5	31.92	33.45	33.69	34.77	35.63	34.01	35.47	35.82	35.03	33.36
Central Bank (Nett)	11.99	15.93	16.08	14.78	14.87	13.52	13.10	17.13	15.20	14.12	15.15	16.90
Mutual Fund	3.06	3.16	3.18	3.20	3.28	3.31	3.42	3.38	3.20	3.14	3.19	3.24
Insurance & Pension Fund	14.44	14.24	14.59	14.45	14.40	14.61	14.44	14.00	14.52	14.77	15.22	15.28
Foreign	22.76	22.82	22.53	22.44	21.56	21.24	20.55	19.05	18.97	18.82	17.57	17.37
Individuals	4.61	4.49	4.64	4.46	4.94	5.04	5.08	4.73	4.83	5.32	5.61	5.60
Others	6.83	6.95	7.07	7.21	7.25	7.50	7.78	7.70	7.82	8.01	8.22	8.26

Source : DJPPR as of Apr 21, 2022

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OVERWEIGHT: Stock's total return is estimated to be above the average total return of our industry coverage universe over next 6-12 months

NEUTRAL: Stock's total return is estimated to be in line with the average total return of our industry coverage universe over next 6-12 months

UNDERWEIGHT: Stock's total return is estimated to be below the average total return of our industry coverage universe over next 6-12 months

MNC Research Investment Ratings Guidance

BUY : Share price may exceed 10% over the next 12 months

HOLD : Share price may fall within the range of +/- 10% of the next 12 months

SELL : Share price may fall by more than 10% over the next 12 months

Not Rated : Stock is not within regular research coverage

PT MNC SEKURITAS

MNC Financial Center Lt. 14 – 16

Jl. Kebon Sirih No. 21 - 27, Jakarta Pusat 10340

Telp : (021) 2980 3111

Fax : (021) 3983 6899

Call Center : 1500 899

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