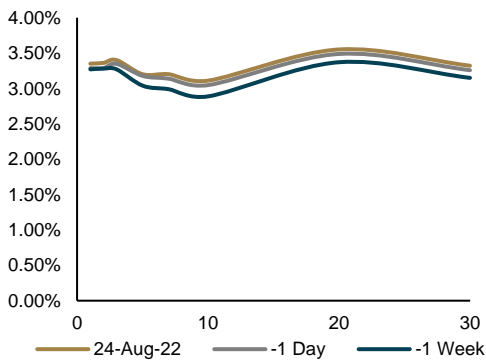


Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

Exhibit 2. Global Gov't Bond Yield

Countries	24-Aug-22	-1 Day	-1 Week
U.S	3.11%	3.06%	2.90%
U.K	2.70%	2.57%	2.29%
Germany	1.37%	1.32%	1.08%
Japan	0.22%	0.21%	0.18%
China	2.64%	2.84%	2.64%
Malaysia	3.99%	3.99%	3.96%
Thailand	2.48%	2.48%	2.33%

Source : Bloomberg

Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	3.11
Indo 5-Year CDS	bps	106.77
USD/IDR	points	14,848
BI 7DRR	%	3.75

Source : Bloomberg as of August 24, 2022

Tirta Widi Gilang Citradi

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

Global Market Update

- The benchmark 10-year UST note yield rose by 5 bps to 3.11% on Wednesday (08/24/22).
- Meanwhile the benchmark 2-year UST note yield increased by 9 bps to 3.39% at the same time.
- The spread between 2/10-year UST note yield widened to -28 bps from previously -24 bps.
- US stock indices increased with DJI rose 0.18%; S&P 500 was up 0.29% while Nasdaq Composite gained 0.41%.
- Elsewhere, UK 10-year government bond yield continued to increase and hitting 2.70% after inflation reached 10% YoY.
- Germany 10-year government bond yield also nudged up and reaching 1.37% yesterday.
- Both, UK & Germany benchmark government bond yields have risen by 41 bps and 29 bps respectively in the last week.

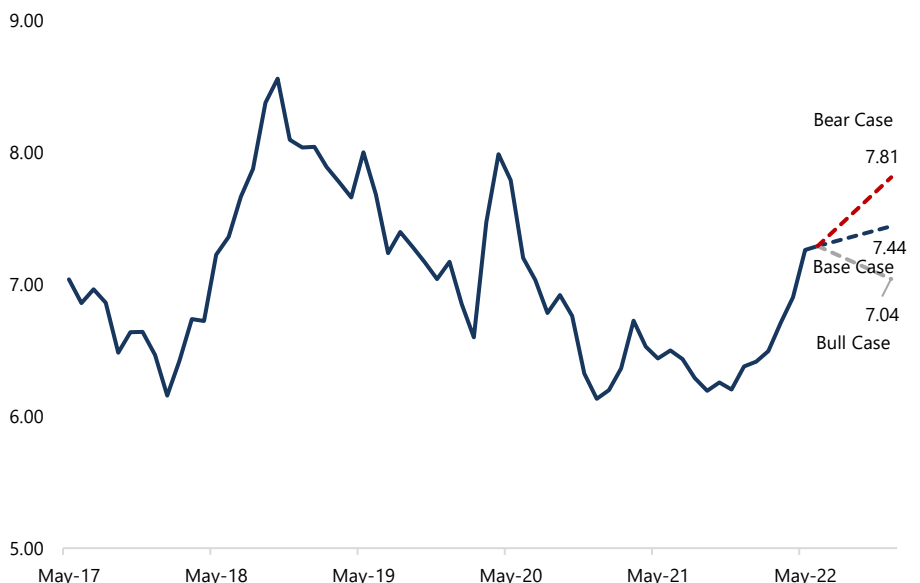
Domestic Market Update

- The benchmark 10-year Indo GB yield (FR0091) declined by 7 bps to 7.03% on Wednesday (08/24/22).
- The IDR weakened against USD and was closed at IDR14,848/USD on Wednesday (vs IDR14,838/USD on Tuesday).
- Indonesia money supply (M2) grew by 9.6% YoY in Jul-22, a slightly lower pace than a month before at 10.6% YoY.
- Indonesia's loan grew 10.71% YoY in Jul-22, a slightly higher than previous month figure at 10.66% YoY.
- Given the M2 and loan grew positively, domestic liquidity remains ample amidst tightening global condition.

Market Projection

- Given the recent development on global and domestic market, we expect the 10 year Indo GB yield to move within a range of 7.00-7.20% for today.
- Attractive Indo GB series to be traded today : FR0063, FR0044, FR0042, FR0052, FR0085 and FR0091.

Exhibit 4. 10 Year Indo GB Fair Yield



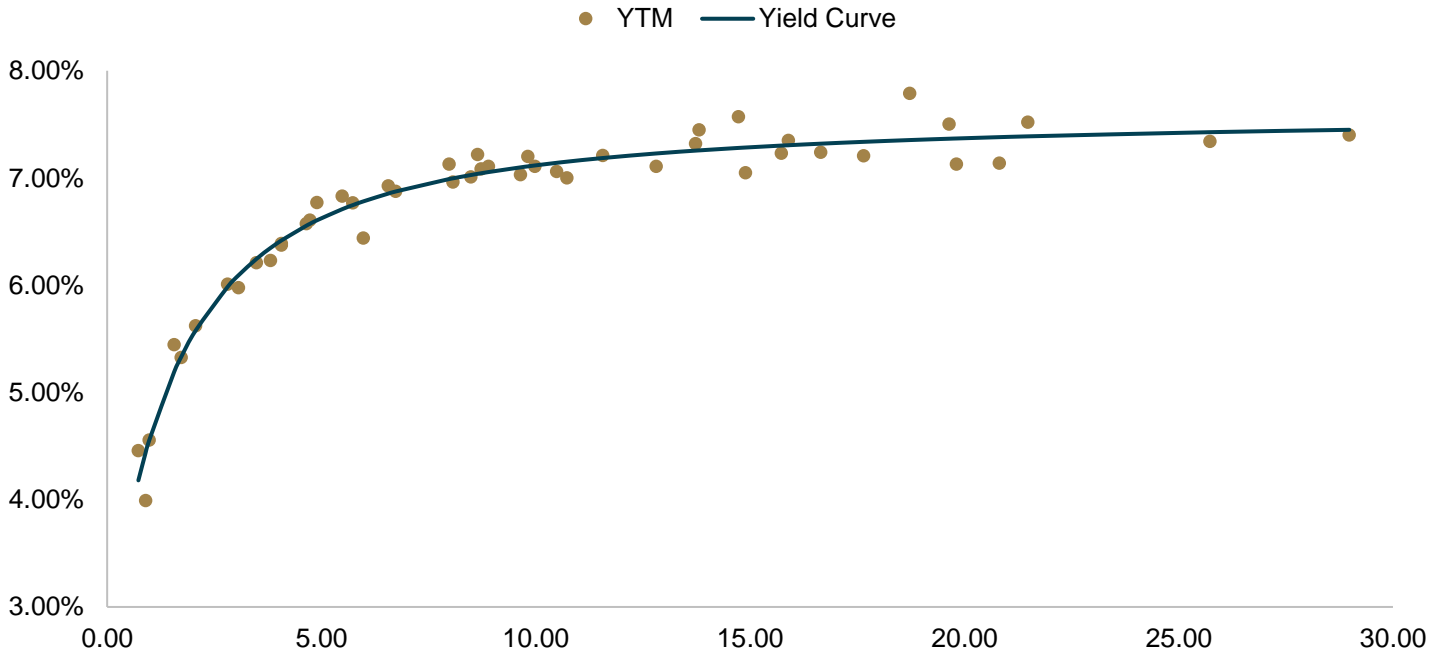
Source : Bloomberg, MNCS Calculation

Exhibit 5. Indo GB Series Valuation

Series	Coupon	Maturity	TTM	Last Price	YTM	Yield Curve	Fair Price	Notes
FR63	5.625	15-May-23	0.72	100.81	4.46%	4.18%	101.01	Discounted
FR46	9.500	15-Jul-23	0.89	104.79	3.99%	4.44%	104.37	Premium
FR39	11.750	15-Aug-23	0.98	106.75	4.55%	4.55%	106.79	Fair
FR70	8.375	15-Mar-24	1.56	104.31	5.44%	5.19%	104.70	Discounted
FR77	8.125	15-May-24	1.72	104.53	5.33%	5.33%	104.53	Fair
FR44	10.000	15-Sep-24	2.06	108.38	5.62%	5.58%	108.48	Fair
FR81	6.500	15-Jun-25	2.81	101.24	6.01%	5.99%	101.29	Fair
FR40	11.000	15-Sep-25	3.06	113.83	5.98%	6.09%	113.50	Fair
FR84	7.250	15-Feb-26	3.48	103.20	6.21%	6.25%	103.08	Fair
FR86	5.500	15-Jun-26	3.81	97.64	6.23%	6.35%	97.15	Fair
FR37	12.000	15-Sep-26	4.06	119.50	6.39%	6.42%	119.66	Fair
FR56	8.375	15-Sep-26	4.06	107.05	6.37%	6.42%	106.88	Fair
FR90	5.125	15-Apr-27	4.64	94.29	6.57%	6.56%	94.34	Fair
FR59	7.000	15-May-27	4.72	101.56	6.61%	6.57%	101.69	Fair
FR42	10.250	15-Jul-27	4.89	114.26	6.77%	6.61%	115.00	Discounted
FR47	10.000	15-Feb-28	5.48	114.00	6.83%	6.71%	114.86	Fair
FR64	6.125	15-May-28	5.72	96.98	6.77%	6.75%	97.06	Fair
FR95	6.375	15-Aug-28	5.98	99.68	6.44%	6.78%	98.01	Premium
FR71	9.000	15-Mar-29	6.56	110.77	6.93%	6.86%	111.16	Fair
FR78	8.250	15-May-29	6.72	107.28	6.88%	6.88%	107.28	Fair
FR52	10.500	15-Aug-30	7.98	120.00	7.13%	6.99%	121.16	Fair
FR82	7.000	15-Sep-30	8.06	100.23	6.96%	7.00%	100.00	Fair
FR87	6.500	15-Feb-31	8.48	96.78	7.01%	7.03%	96.66	Fair
FR85	7.750	15-Apr-31	8.64	103.25	7.22%	7.04%	104.52	Discounted
FR73	8.750	15-May-31	8.72	110.69	7.08%	7.05%	110.94	Fair
FR54	9.500	15-Jul-31	8.89	115.54	7.11%	7.06%	115.92	Fair
FR91	6.375	15-Apr-32	9.64	95.45	7.03%	7.10%	94.98	Fair
FR58	8.250	15-Jun-32	9.81	107.00	7.20%	7.11%	107.93	Fair
FR74	7.500	15-Aug-32	9.98	102.77	7.11%	7.12%	102.68	Fair
FR96	7.000	15-Feb-33	10.48	99.56	7.06%	7.14%	98.95	Fair
FR65	6.625	15-May-33	10.72	97.18	7.00%	7.15%	96.07	Fair
FR68	8.375	15-Mar-34	11.56	109.03	7.21%	7.19%	109.20	Fair
FR80	7.500	15-Jun-35	12.81	103.24	7.11%	7.23%	102.20	Fair
FR72	8.250	15-May-36	13.72	107.97	7.32%	7.26%	108.52	Fair
FR88	6.250	15-Jun-36	13.81	89.50	7.45%	7.26%	91.27	Discounted
FR45	9.750	15-May-37	14.72	118.90	7.57%	7.28%	122.04	Discounted
FR93	6.375	15-Jul-37	14.89	93.84	7.05%	7.29%	91.79	Premium
FR75	7.500	15-May-38	15.72	102.50	7.23%	7.30%	101.79	Fair
FR50	10.500	15-Jul-38	15.89	129.00	7.35%	7.31%	129.70	Fair
FR79	8.375	15-Apr-39	16.64	110.85	7.24%	7.32%	110.02	Fair
FR83	7.500	15-Apr-40	17.64	102.89	7.21%	7.34%	101.56	Fair
FR57	9.500	15-May-41	18.72	116.45	7.79%	7.36%	121.59	Discounted
FR62	6.375	15-Apr-42	19.64	88.50	7.50%	7.37%	89.76	Fair
FR92	7.125	15-Jun-42	19.81	99.92	7.13%	7.37%	97.44	Premium
FR97	7.125	15-Jun-43	20.81	99.84	7.14%	7.38%	97.26	Premium
FR67	8.75	15-Feb-44	21.48	112.65	7.52%	7.39%	114.52	Fair
FR76	7.375	15-May-48	25.72	100.37	7.34%	7.43%	99.36	Fair
FR89	6.875	15-Aug-51	28.98	93.50	7.40%	7.45%	93.19	Fair

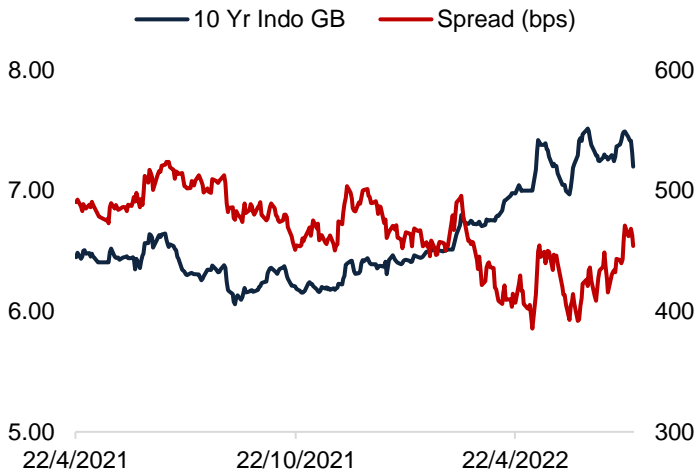
Source : Bloomberg, MNCS Calculation as of August 24, 2022

Exhibit 6. Indo GB Yield Curve



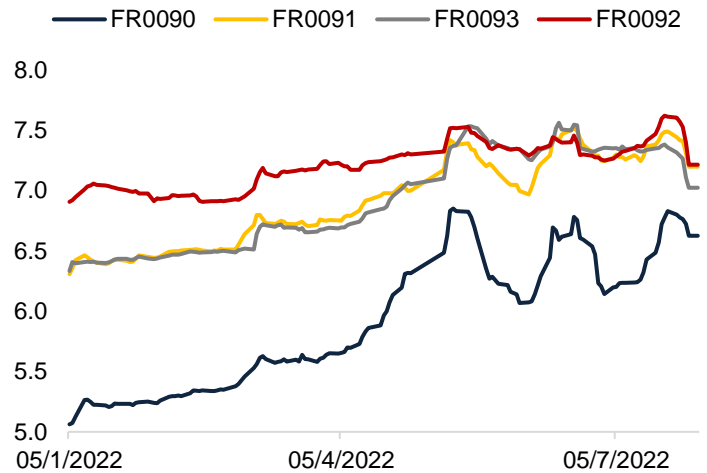
Source : Bloomberg, MNCS Calculation as of August 24, 2022

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	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
Bank	33.45	33.69	34.77	35.63	34.01	35.47	35.82	35.03	32.81	33.85	29.55	34.21
Central Bank (Nett)	14.78	14.87	13.52	13.10	17.13	15.20	14.12	15.15	17.77	16.56	20.89	16.55
Mutual Fund	3.20	3.28	3.31	3.42	3.38	3.20	3.14	3.19	3.18	3.13	3.16	3.14
Insurance & Pension Fund	14.45	14.40	14.61	14.44	14.00	14.52	14.77	15.22	15.33	15.68	15.94	16.31
Foreign	22.44	21.56	21.24	20.55	19.05	18.97	18.82	17.57	17.03	16.56	16.09	15.35
Individuals	4.46	4.94	5.04	5.08	4.73	4.83	5.32	5.61	5.63	5.80	5.81	5.88
Others	7.21	7.25	7.50	7.78	7.70	7.82	8.01	8.22	8.26	8.42	8.56	8.54

Source : DJPPR as of 26 July 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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