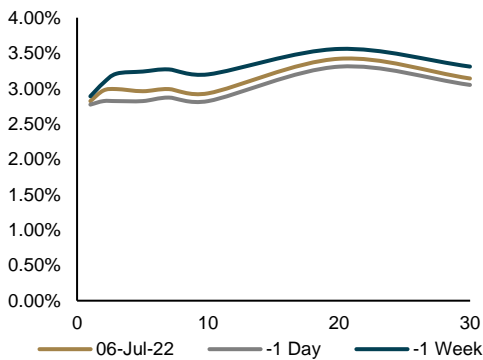


Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

Exhibit 2. Global Gov't Bond Yield

Countries	06-Jul-22	-1 Day	-1 Week
U.S	2.93%	2.81%	3.09%
U.K	2.09%	2.05%	2.38%
Germany	1.20%	1.18%	1.52%
Japan	0.24%	0.22%	0.23%
China	2.84%	2.83%	2.83%
Malaysia	4.14%	4.21%	4.24%
Thailand	2.69%	2.71%	2.85%

Source : Bloomberg

Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	2.93
Indo 5-Year CDS	bps	149.25
USD/IDR	points	14,999
BI 7DRR	%	3.50

Source : Bloomberg as of July 6, 2022

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Global Market Update

- UST note yields jumped 5-17 bps along the curve on Wednesday (07/06/22).
- The benchmark 10-year UST note yield rose 12 bps to 2.93% after the release of FOMC minutes of meeting.
- Based on Fed's FOMC minutes of meeting last June, US CB stated that to fight against rising inflation another 50-75 bps rate hike is reasonable at the next meeting.
- In addition yield curve of short and long rate also inverted again. The spread between 2-year and 10-year UST note now turned to negative territory.
- Throughout this year, yield curve inversion occurred two times, last night and on Apr-22 previously.
- The phenomenon of yield curve inversion is seen as a good leading indicator that US economy may fall into recession in the upcoming months.

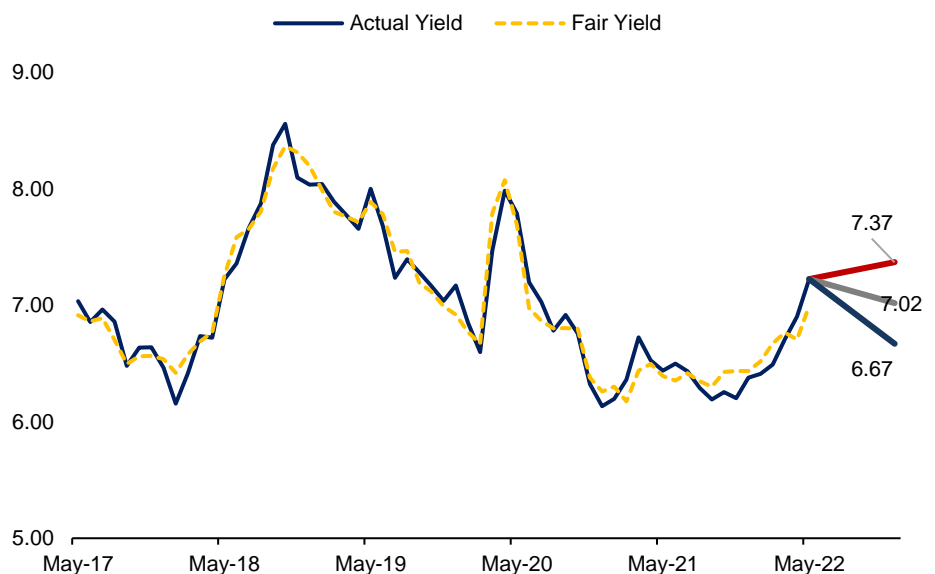
Domestic Market Update

- The benchmark 10-year Indo GB yield (FR0091) fell 5 bps 7.25% on Wednesday (07/06/22).
- The IDR weakened against USD and was closed at IDR14,999 yesterday vs IDR14,994 on the previous day. Note that IDR also hit IDR15,000/USD in the intraday trading.
- Indonesia's risk premium 5-year CDS jumped to 149.25 bps from previously at 145.84 bps.
- We believe that IDR depreciation and jumping risk premium may trigger another yield spike as the Fed also prepare to aggressively tighten again.

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 7.25-7.45% for today.
- Attractive Indo GB series to be traded today : FR0063, FR0081, FR0084, FR0090, FR0047, FR0052, FR0054, FR0091.

Exhibit 4. 10 Year Indo GB Fair Yield



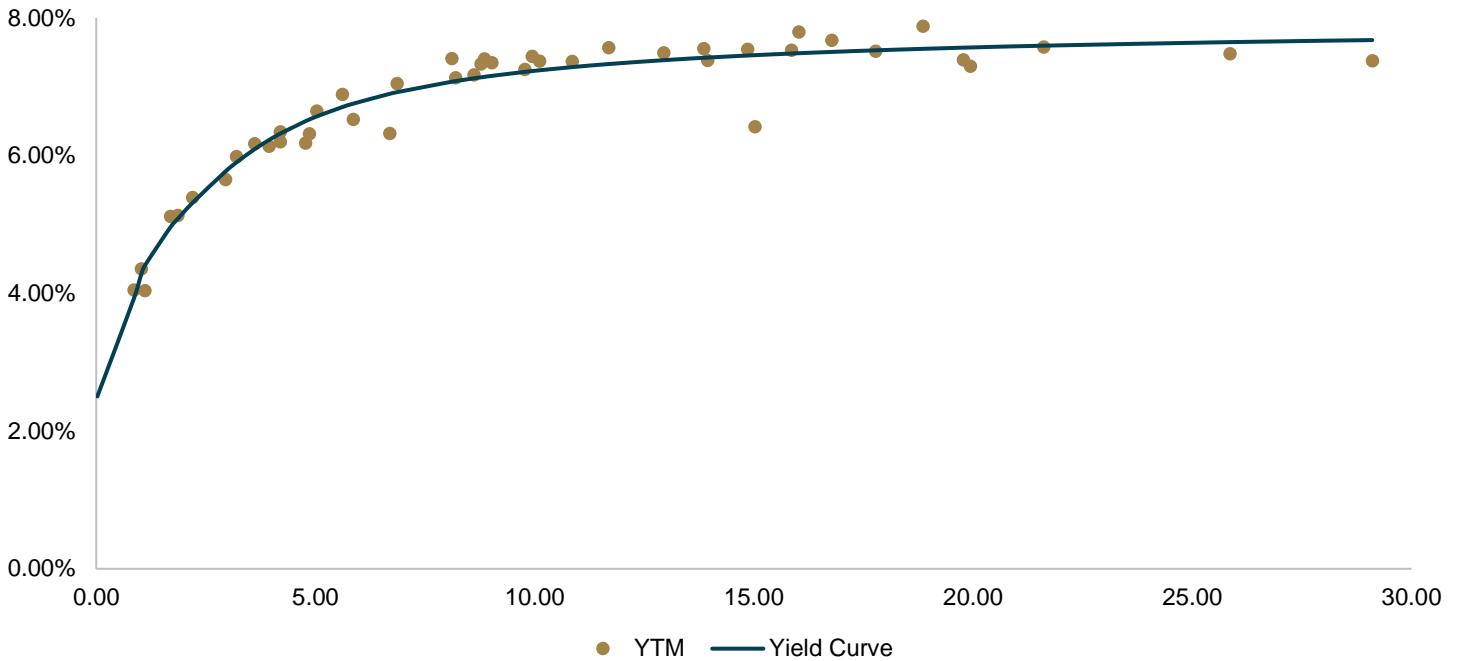
Source : Bloomberg, MNCS Calculation

Exhibit 5. Indo GB Series Valuation

Series	Coupon (%)	Maturity	TTM (Yr.)	Last Price	YTM (%)	Yield Curve (%)	Fair Price	Notes
FR43	10.250	15-Jul-22	0.02	100.35	-7.41%	2.50%	100.19	Premium
FR63	5.625	15-May-23	0.86	101.31	4.05%	3.92%	101.42	Fair
FR46	9.500	15-Jul-23	1.02	105.08	4.35%	4.27%	105.19	Fair
FR39	11.750	15-Aug-23	1.11	108.24	4.04%	4.40%	107.87	Premium
FR70	8.375	15-Mar-24	1.69	105.19	5.12%	4.96%	105.47	Fair
FR77	8.125	15-May-24	1.86	105.22	5.13%	5.08%	105.33	Fair
FR44	10.000	15-Sep-24	2.20	109.38	5.39%	5.31%	109.57	Fair
FR81	6.500	15-Jun-25	2.94	102.26	5.65%	5.77%	101.96	Fair
FR40	11.000	15-Sep-25	3.20	114.33	5.99%	5.90%	114.63	Fair
FR84	7.250	15-Feb-26	3.61	103.43	6.17%	6.09%	103.69	Fair
FR86	5.500	15-Jun-26	3.94	97.89	6.13%	6.23%	97.49	Fair
FR37	12.000	15-Sep-26	4.19	120.50	6.34%	6.32%	120.62	Fair
FR56	8.375	15-Sep-26	4.19	107.90	6.20%	6.32%	107.46	Fair
FR90	5.125	15-Apr-27	4.78	95.68	6.18%	6.50%	94.42	Premium
FR59	7.000	15-May-27	4.86	102.80	6.32%	6.52%	101.95	Fair
FR42	10.250	15-Jul-27	5.03	115.17	6.65%	6.57%	115.55	Fair
FR47	10.000	15-Feb-28	5.61	114.25	6.89%	6.70%	115.19	Fair
FR64	6.125	15-May-28	5.86	98.06	6.53%	6.75%	96.99	Fair
FR71	9.000	15-Mar-29	6.69	110.43	6.32%	6.90%	111.11	Premium
FR78	8.250	15-May-29	6.86	106.43	7.05%	6.92%	107.15	Fair
FR52	10.500	15-Aug-30	8.11	118.58	7.41%	7.07%	120.87	Discounted
FR82	7.000	15-Sep-30	8.20	99.20	7.13%	7.08%	99.49	Fair
FR87	6.500	15-Feb-31	8.61	95.73	7.17%	7.12%	96.04	Fair
FR85	7.750	15-Apr-31	8.78	102.65	7.33%	7.14%	103.94	Fair
FR73	8.750	15-May-31	8.86	108.60	7.41%	7.14%	110.40	Discounted
FR54	9.500	15-Jul-31	9.03	114.00	7.35%	7.16%	115.37	Fair
FR91	6.375	15-Apr-32	9.78	93.94	7.25%	7.22%	94.16	Fair
FR58	8.250	15-Jun-32	9.94	105.60	7.44%	7.23%	107.16	Fair
FR74	7.500	15-Aug-32	10.11	100.89	7.37%	7.24%	101.84	Fair
FR65	6.625	15-May-33	10.86	94.52	7.37%	7.28%	95.10	Fair
FR68	8.375	15-Mar-34	11.69	106.18	7.57%	7.33%	108.10	Fair
FR80	7.500	15-Jun-35	12.94	100.05	7.49%	7.39%	100.94	Fair
FR72	8.250	15-May-36	13.86	105.90	7.55%	7.42%	107.09	Fair
FR88	6.250	15-Jun-36	13.94	90.25	7.38%	7.42%	89.91	Fair
FR45	9.750	15-May-37	14.86	119.50	7.54%	7.45%	120.41	Fair
FR93	6.375	15-Jul-37	15.03	99.56	6.42%	7.46%	90.31	Premium
FR75	7.500	15-May-38	15.86	99.72	7.53%	7.48%	100.15	Fair
FR50	10.500	15-Jul-38	16.03	124.50	7.80%	7.49%	127.85	Discounted
FR79	8.375	15-Apr-39	16.78	106.55	7.67%	7.51%	108.20	Fair
FR83	7.500	15-Apr-40	17.78	99.82	7.52%	7.53%	99.71	Fair
FR57	9.500	15-May-41	18.86	115.75	7.88%	7.55%	119.42	Discounted
FR62	6.375	15-Apr-42	19.78	89.50	7.39%	7.57%	87.86	Premium
FR92	7.125	15-Jun-42	19.94	98.21	7.30%	7.57%	95.45	Premium
FR67	8.750	15-Feb-44	21.61	112.38	7.58%	7.60%	112.14	Fair
FR76	7.375	15-May-48	25.86	98.83	7.48%	7.65%	96.93	Fair
FR89	6.875	15-Aug-51	29.11	94.01	7.38%	7.68%	90.70	Premium

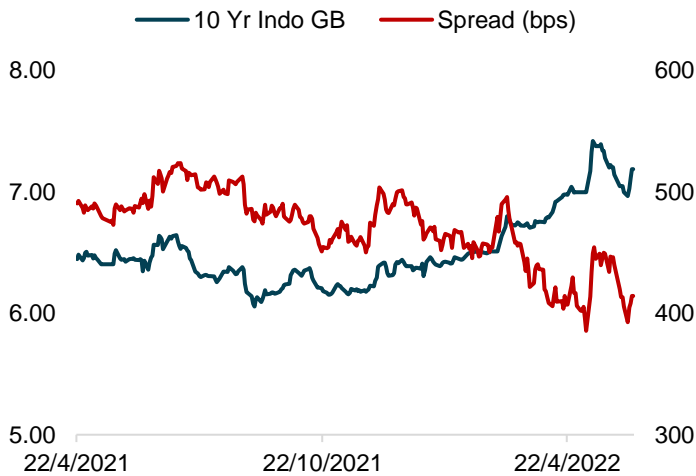
Source : Bloomberg, MNCS Calculation as of July 6, 2022

Exhibit 6. Indo GB Yield Curve



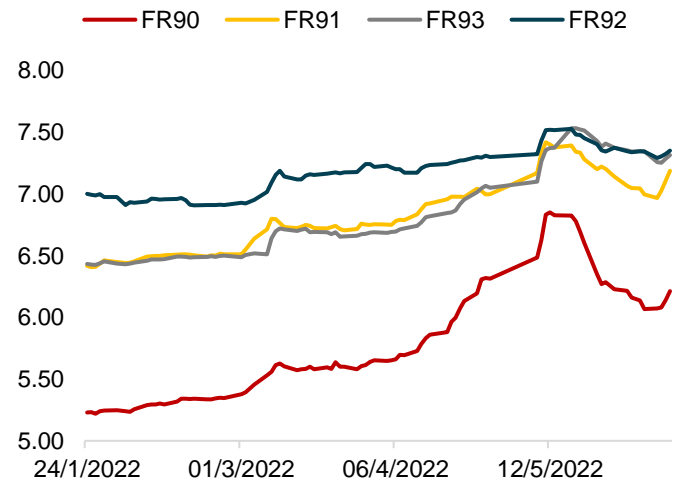
Source : Bloomberg, MNCS Calculation as of July 6, 2022

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	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Bank	32.5	31.92	33.45	33.69	34.77	35.63	34.01	35.47	35.82	35.03	32.81	32.25
Central Bank (Nett)	15.93	16.08	14.78	14.87	13.52	13.10	17.13	15.20	14.12	15.15	17.77	16.56
Mutual Fund	3.16	3.18	3.20	3.28	3.31	3.42	3.38	3.20	3.14	3.19	3.18	3.13
Insurance & Pension Fund	14.24	14.59	14.45	14.40	14.61	14.44	14.00	14.52	14.77	15.22	15.33	15.68
Foreign	22.82	22.53	22.44	21.56	21.24	20.55	19.05	18.97	18.82	17.57	17.03	16.56
Individuals	4.49	4.64	4.46	4.94	5.04	5.08	4.73	4.83	5.32	5.61	5.63	5.80
Others	6.95	7.07	7.21	7.25	7.50	7.78	7.70	7.82	8.01	8.22	8.26	8.42

Source : DJPPR as of 31 May 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

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