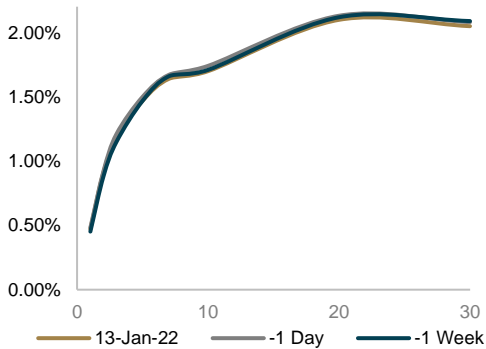


Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

Exhibit 2. Global Gov't Bond Yield

Country	13-Jan-22	-1 Day	-1 Week
U.S	1.70%	1.74%	1.72%
U.K	1.14%	1.14%	1.16%
Germany	-0.06%	-0.06%	-0.06%
Australia	1.86%	1.85%	1.87%
Japan	0.13%	0.13%	0.12%
China	2.79%	2.79%	2.82%
Malaysia	3.63%	3.65%	3.65%
Thailand	2.07%	2.06%	2.01%

Source : Bloomberg

Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	1.70
Indo 5-Year CDS	bps	80.40
USD/IDR	points	14,295
BI 7DRR	%	3.50

Source : Bloomberg as of January 13, 2022

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Global Market Update

- The UST yield continued to trade lower on Thursday (01/14/22). Trend in 10-year benchmark UST note yield dropped 5 bps to 1.70%.
- However, the decline of UST yields is expected to be temporary and going forward the 10-year benchmark rate is expected to hit 2%.
- For the long maturity US treasury note, yields closed lower, while yield on short term maturity and belly are was up.
- From the equity market, 3 US stock index dipped in red. Dow Jones slid 0.49% while S&P 500 and Nasdaq Composite dropped 1.42% and 2.51%.
- The drop in stock prices particularly tech sector is more affected by UST yield change.
- Despite the stock prices decline, analysts expect bottom line of stock issuers to grow 22% in 4Q21. Earnings for FY21E was projected to grow by 50% yoy.
- On the data front, US reported weekly jobless claims at 230 thousands came above market expectation at 200 thousands.

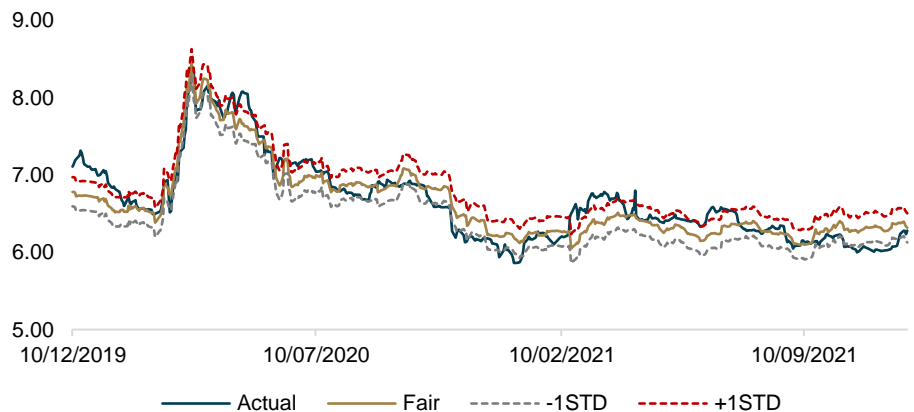
Domestic Market Update

- The 10-year Indo GB yield slipped 1 bps and was closed at 6.38% on Thursday (01/13/22) in line with our daily forecast range of 6.35-6.45%.
- The IDR value slightly appreciated and closed at IDR14,3295/USD (vs IDR14,1/USD on Wednesday).
- Unlike the IDR value, Indonesia 5-year CDS rose to 80.40 bps higher than on the previous trading day.
- Government of Indonesia plan to issue government bond next week with the target value of IDR25-37.5tn.
- We believe that government could achieve its funding target as demand for government bond remain robust.
- In the previous auction Jan.4, 2021, the total incoming bids were at IDR77.58tn while the awarded value at IDR25tn.
- We think that government will use front loading approach as FFR hikes is likely in the 2H22.
- However with the outlook of budget deficit to be lower than the target, risk on government bond supply could be reduced and thus limit the yield spike in domestic bond market.

Market Projection

- Given the recent development, we expect the 10-year Indo GB yield to move within range of 6.30-6.40% today.
- Attractive Indo GB series to be traded today: FR0090, FR0071, FR0052, FR0091, FR0068, FR0080, FR0072.

Exhibit 4. 10 Year Indo GB Fair Yield



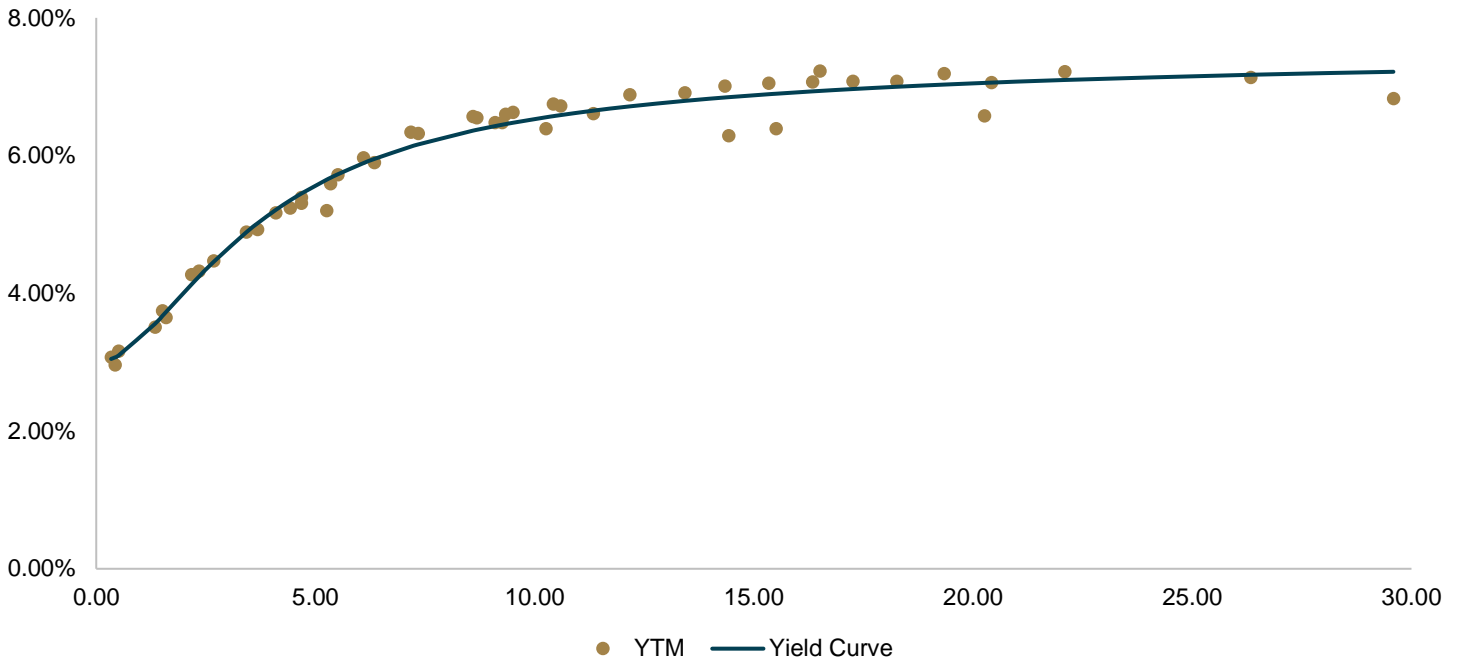
Source : Bloomberg, MNCS Calculation

Exhibit 5. Indo GB Series Valuation

Series	Coupon (%)	Maturity	TTM (Yr)	Last Price	YTM (%)	Yield Curve (%)	Fair Price	Notes
FR61	7.000	15-May-22	0.34	101.26	3.07%	3.04%	101.33	Fair
FR35	12.900	15-Jun-22	0.42	104.01	2.96%	3.07%	104.12	Fair
FR43	10.250	15-Jul-22	0.51	103.45	3.16%	3.09%	103.60	Fair
FR63	5.625	15-May-23	1.34	102.71	3.51%	3.55%	102.69	Fair
FR46	9.500	15-Jul-23	1.51	108.29	3.75%	3.67%	108.50	Fair
FR39	11.750	15-Aug-23	1.59	112.31	3.65%	3.73%	112.31	Fair
FR70	8.375	15-Mar-24	2.17	108.36	4.27%	4.13%	108.74	Fair
FR77	8.125	15-May-24	2.34	108.32	4.32%	4.24%	108.57	Fair
FR44	10.000	15-Sep-24	2.68	113.70	4.47%	4.45%	113.82	Fair
FR81	6.500	15-Jun-25	3.43	105.00	4.89%	4.89%	105.03	Fair
FR40	11.000	15-Sep-25	3.68	120.07	4.93%	5.01%	119.84	Fair
FR84	7.250	15-Feb-26	4.10	107.54	5.17%	5.21%	107.43	Fair
FR86	5.500	15-Jun-26	4.42	100.99	5.24%	5.35%	100.58	Fair
FR37	12.000	15-Sep-26	4.68	126.96	5.39%	5.45%	126.70	Fair
FR56	8.375	15-Sep-26	4.68	112.51	5.31%	5.45%	111.92	Fair
FR90	5.125	15-Apr-27	5.26	99.65	5.20%	5.65%	97.63	Premium
FR59	7.000	15-May-27	5.34	106.41	5.59%	5.68%	106.02	Fair
FR42	10.250	15-Jul-27	5.51	121.13	5.72%	5.73%	121.12	Fair
FR47	10.000	15-Feb-28	6.09	120.30	5.97%	5.89%	120.79	Fair
FR64	6.125	15-May-28	6.34	101.19	5.90%	5.95%	100.90	Fair
FR71	9.000	15-Mar-29	7.17	115.09	6.34%	6.13%	116.44	Discounted
FR78	8.250	15-May-29	7.34	111.15	6.32%	6.16%	112.17	Fair
FR52	10.500	15-Aug-30	8.59	125.47	6.57%	6.36%	127.06	Discounted
FR82	7.000	15-Sep-30	8.68	102.96	6.55%	6.37%	104.11	Fair
FR87	6.500	15-Feb-31	9.10	100.13	6.48%	6.43%	100.48	Fair
FR85	7.750	15-Apr-31	9.26	108.71	6.48%	6.45%	108.95	Fair
FR73	8.750	15-May-31	9.34	114.80	6.60%	6.46%	115.88	Fair
FR54	9.500	15-Jul-31	9.51	120.03	6.63%	6.48%	121.21	Fair
FR91	6.375	15-Apr-32	10.26	99.89	6.39%	6.56%	98.64	Fair
FR58	8.250	15-Jun-32	10.43	111.10	6.75%	6.57%	112.50	Fair
FR74	7.500	15-Aug-32	10.59	105.81	6.72%	6.59%	106.86	Fair
FR65	6.625	15-May-33	11.34	100.13	6.61%	6.65%	99.77	Fair
FR68	8.375	15-Mar-34	12.17	112.10	6.89%	6.72%	113.63	Fair
FR80	7.500	15-Jun-35	13.42	105.12	6.91%	6.80%	106.13	Fair
FR72	8.250	15-May-36	14.34	111.13	7.01%	6.84%	112.70	Fair
FR88	6.250	15-Jun-36	14.43	99.60	6.29%	6.85%	94.56	Premium
FR45	9.750	15-May-37	15.34	125.00	7.05%	6.89%	126.79	Fair
FR93	6.375	15-Jul-37	15.51	99.9	6.39%	6.90%	95.05	Premium
FR75	7.500	15-May-38	16.34	104.17	7.07%	6.93%	105.47	Fair
FR50	10.500	15-Jul-38	16.51	131.18	7.23%	6.94%	134.67	Discounted
FR79	8.375	15-Apr-39	17.26	112.78	7.08%	6.97%	113.99	Fair
FR83	7.500	15-Apr-40	18.26	104.29	7.08%	7.00%	105.09	Fair
FR57	9.500	15-May-41	19.34	123.87	7.19%	7.03%	125.86	Fair
FR62	6.375	15-Apr-42	20.26	97.73	6.58%	7.06%	92.70	Premium
FR92	7.125	15-Jun-42	20.43	100.74	7.06%	7.06%	100.68	Fair
FR67	8.750	15-Feb-44	22.09	116.78	7.22%	7.10%	118.26	Fair
FR76	7.375	15-May-48	26.34	102.83	7.13%	7.18%	102.34	Fair
FR89	6.875	15-Aug-51	29.59	100.47	6.83%	7.22%	95.82	Premium

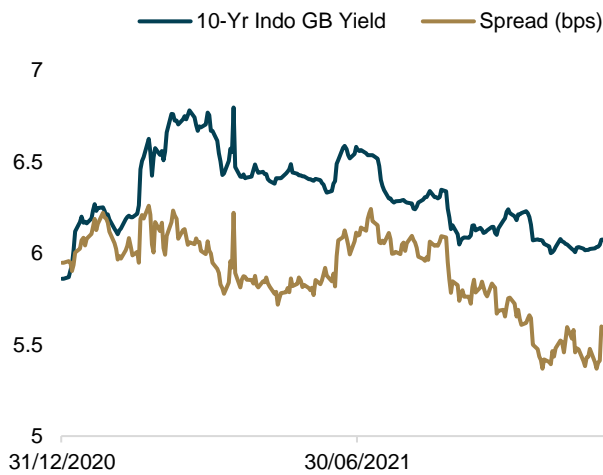
Source : Bloomberg, MNCS Calculation as of January 13, 2022

Exhibit 6. Indo GB Yield Curve



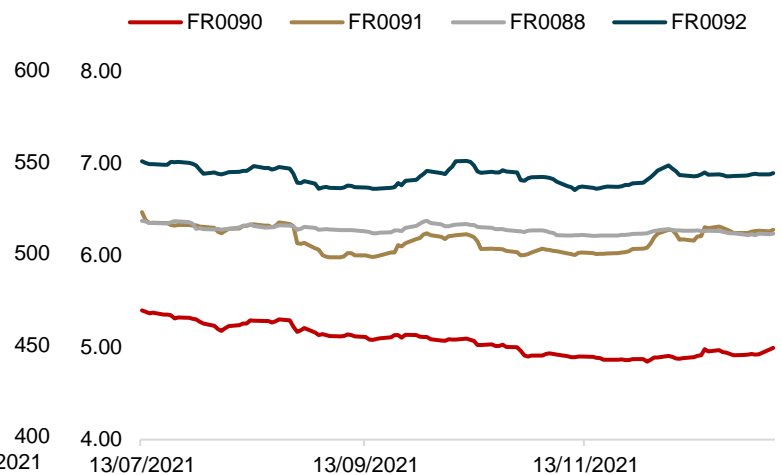
Source : Bloomberg, MNCS Calculation as of January 13, 2022

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	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Bank	37.96	37.09	37.86	36	36.33	32.5	31.92	33.45	33.69	34.77	35.63	34.01
Central Bank (Nett)	9.52	10.98	10.65	12.77	11.99	15.93	16.08	14.78	14.87	13.52	13.10	17.13
Mutual Fund	4.18	4.04	3.92	3.81	3.06	3.16	3.18	3.20	3.28	3.31	3.42	3.38
Insurance & Pension Fund	14.04	14.01	14.08	14.14	14.44	14.24	14.59	14.45	14.40	14.61	14.44	14.00
Foreign	24.86	23.81	22.89	22.74	22.76	22.82	22.53	22.44	21.56	21.24	20.55	19.05
Individuals	3.51	4.11	4.56	4.49	4.61	4.49	4.64	4.46	4.94	5.04	5.08	4.73
Others	5.93	5.97	6.03	6.05	6.83	6.95	7.07	7.21	7.25	7.50	7.78	7.70

Source : DJPPR as of December 31, 2021

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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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