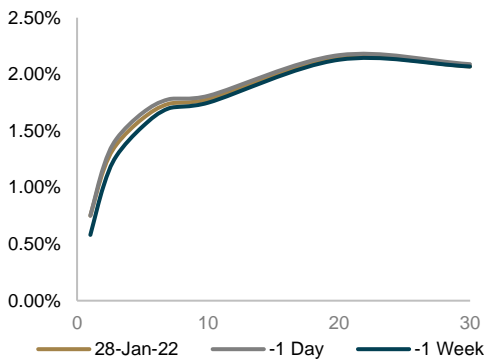


## Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

## Exhibit 2. Global Gov't Bond Yield

Country	28-Jan-22	-1 Day	-1 Week
U.S	1.77%	1.80%	1.76%
U.K	1.26%	1.23%	1.17%
Germany	-0.04%	-0.06%	-0.07%
Australia	1.94%	2.02%	1.92%
Japan	0.17%	0.16%	0.14%
China	2.71%	2.73%	2.71%
Malaysia	3.68%	3.70%	3.68%
Thailand	2.13%	2.13%	2.15%

Source : Bloomberg

## Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	1.77
Indo 5-Year CDS	bps	90.88
USD/IDR	points	14,388
BI 7DRR	%	3.50

Source : Bloomberg as of January 28, 2022

## Tirta Widi Gilang Citradi

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## Global Market Update

- The UST yield was down 2-5 bps along the curve on the last trading day of Friday (01/28/22).
- The 10-year UST yield dropped 3 bps to 1.77% while the 2-year UST yield also fell 2 bps to 1.16%. Meanwhile rate on 30-year UST yield was unchanged at 2.09%.
- US stock market rebounded last week. DJI increased 1.65%, S&P 500 jumped 2.44% while Nasdaq Composite lead all the gain with 3.13% appreciation.
- On the data front, US Personal Consumption Expenditure (PCE) rose 5.8% YoY in Dec-21.
- The PCE excluding food and energy was recorded at 4.9% YoY. Both figure marked the highest figure in 4Q21.
- In Europe, France and Spain preliminary 4Q21 GDP reading was recorded to exceeds expectation.
- France GDP expanded 5.4% YoY in 4Q21 (vs 3.5%YoY in 3Q21 and 4.2% YoY consensus estimate).
- Spain GDP grew 5.2% YoY in 4Q21 (vs 3.4% YoY in 3Q21 and 4.2% YoY consensus estimate).
- Meanwhile preliminary reading of Germany GDP in 4Q21 reported to grow 1.4% YoY below market consensus ay 1.8% YoY and previous quarter of 2.9% YoY.

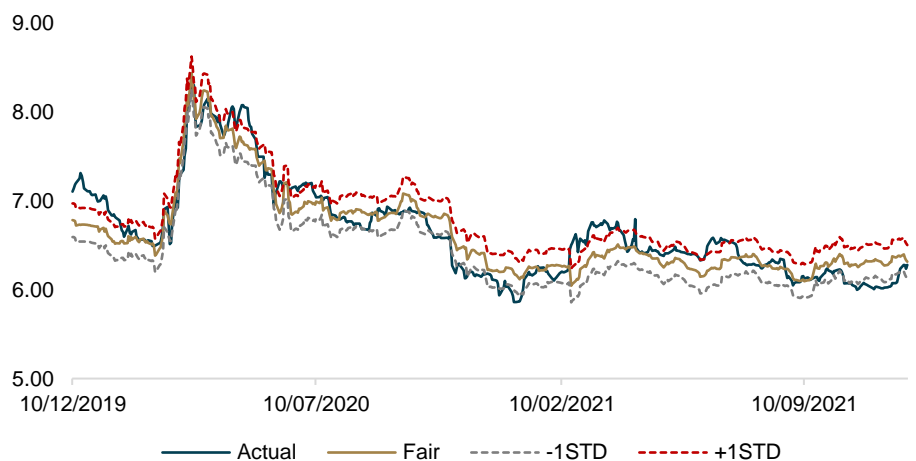
## Domestic Market Update

- The 10-year Indo GB yield inched up 1 bps to 6.45% on Friday (01/28/22) in line with our daily forecast range of 6.35-6.45%.
- The IDR value slightly depreciated against USD and was closed at IDR 14,388/USD (vs IDR14,386/USD on Thursday).
- Risk premium rose with Indonesia's 5-year CDS stood at 90.88 bps (vs 89.23 bps on Thursday).
- Bank and Indonesia and People's Bank of China agreed to continue Bilateral Currency Swap Agreement (BCSA) and allowing the exchange between the two central banks up to CNY250bn or equivalent to IDR550tn.
- This policy is part of promoting bilateral trade and direct investment in local currency between two countries to maintain currency stability.

## Market Projection

- Given the recent development, we expect the 10-year Indo GB yield to move within range of 6.35-6.45% today.
- Attractive Indo GB series to be traded today: FR0070, FR0084, FR0086, FR0082, FR0091.

## Exhibit 4. 10 Year Indo GB Fair Yield



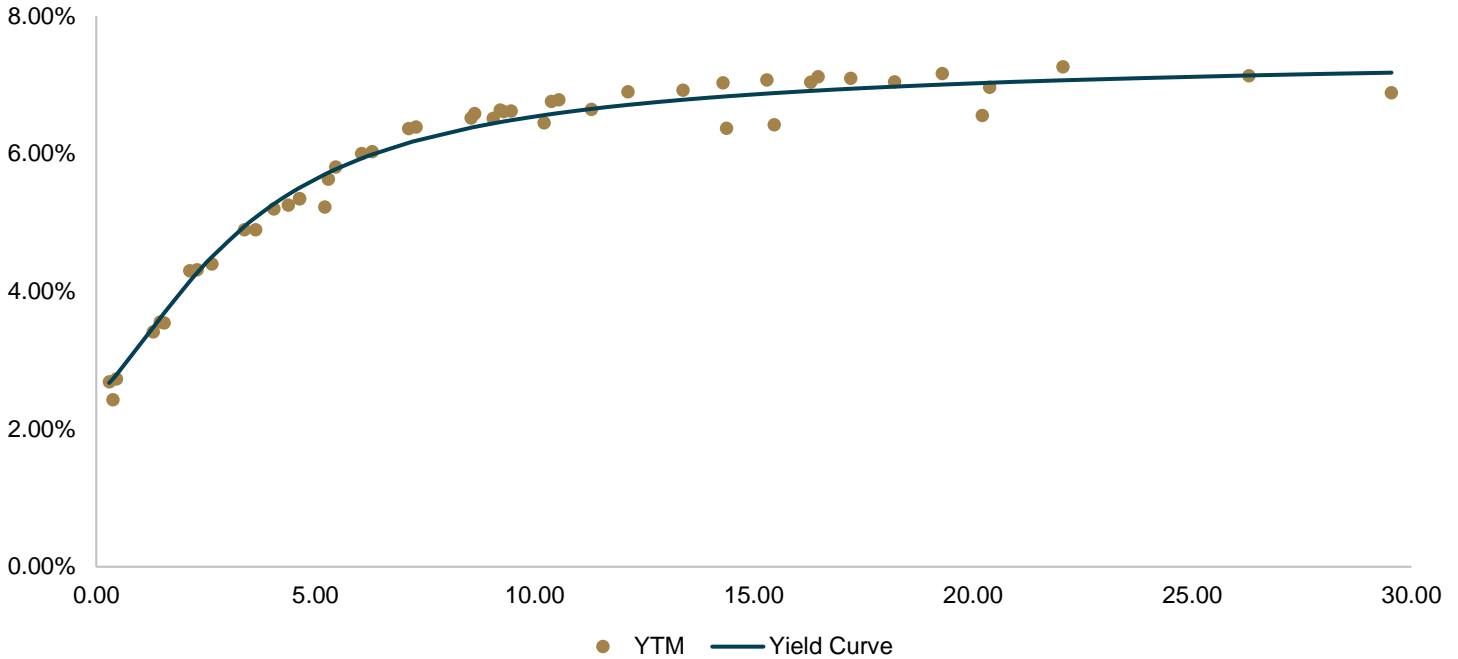
Source : Bloomberg, MNCS Calculation

## Exhibit 5. Indo GB Series Valuation

Series	Coupon (%)	Maturity	TTM (Yr)	Last Price	YTM (%)	Yield Curve (%)	Fair Price	Notes
FR61	7.000	15-May-22	0.29	101.20	2.69%	2.67%	101.26	Fair
FR35	12.900	15-Jun-22	0.38	103.78	2.43%	2.73%	103.80	Premium
FR43	10.250	15-Jul-22	0.46	103.34	2.73%	2.79%	103.41	Fair
FR63	5.625	15-May-23	1.29	102.75	3.41%	3.47%	102.70	Fair
FR46	9.500	15-Jul-23	1.46	108.33	3.56%	3.61%	108.32	Fair
FR39	11.750	15-Aug-23	1.55	112.16	3.54%	3.68%	112.03	Fair
FR70	8.375	15-Mar-24	2.13	108.14	4.30%	4.14%	108.53	Fair
FR77	8.125	15-May-24	2.29	108.19	4.32%	4.26%	108.35	Fair
FR44	10.000	15-Sep-24	2.63	113.68	4.40%	4.49%	113.49	Fair
FR81	6.500	15-Jun-25	3.38	104.93	4.89%	4.94%	104.79	Fair
FR40	11.000	15-Sep-25	3.63	119.99	4.89%	5.07%	119.41	Fair
FR84	7.250	15-Feb-26	4.05	107.39	5.20%	5.27%	107.14	Fair
FR86	5.500	15-Jun-26	4.38	100.91	5.25%	5.40%	100.36	Fair
FR37	12.000	15-Sep-26	4.63	126.88	5.35%	5.50%	126.22	Fair
FR56	8.375	15-Sep-26	4.63	112.23	5.35%	5.50%	111.59	Fair
FR90	5.125	15-Apr-27	5.21	99.54	5.23%	5.70%	97.44	Premium
FR59	7.000	15-May-27	5.29	106.17	5.63%	5.72%	105.76	Fair
FR42	10.250	15-Jul-27	5.46	120.50	5.81%	5.77%	120.73	Fair
FR47	10.000	15-Feb-28	6.05	120.00	6.00%	5.93%	120.45	Fair
FR64	6.125	15-May-28	6.29	100.49	6.03%	5.99%	100.71	Fair
FR71	9.000	15-Mar-29	7.13	114.88	6.37%	6.16%	116.20	Discounted
FR78	8.250	15-May-29	7.29	110.70	6.39%	6.19%	111.96	Discounted
FR52	10.500	15-Aug-30	8.55	125.75	6.52%	6.37%	126.86	Fair
FR82	7.000	15-Sep-30	8.63	102.71	6.58%	6.39%	104.02	Fair
FR87	6.500	15-Feb-31	9.05	99.92	6.51%	6.44%	100.42	Fair
FR85	7.750	15-Apr-31	9.21	107.60	6.63%	6.46%	108.87	Fair
FR73	8.750	15-May-31	9.29	114.66	6.61%	6.46%	115.77	Fair
FR54	9.500	15-Jul-31	9.46	120.00	6.62%	6.48%	121.09	Fair
FR91	6.375	15-Apr-32	10.21	99.45	6.45%	6.56%	98.65	Fair
FR58	8.250	15-Jun-32	10.38	110.98	6.76%	6.57%	112.47	Fair
FR74	7.500	15-Aug-32	10.55	105.35	6.78%	6.59%	106.86	Fair
FR65	6.625	15-May-33	11.29	99.85	6.64%	6.65%	99.81	Fair
FR68	8.375	15-Mar-34	12.13	112.00	6.90%	6.71%	113.69	Fair
FR80	7.500	15-Jun-35	13.38	104.97	6.92%	6.78%	106.25	Fair
FR72	8.250	15-May-36	14.29	110.89	7.03%	6.83%	112.85	Discounted
FR88	6.250	15-Jun-36	14.38	98.90	6.37%	6.83%	94.73	Premium
FR45	9.750	15-May-37	15.29	124.78	7.07%	6.87%	126.98	Discounted
FR93	6.375	15-Jul-37	15.46	99.56	6.42%	6.88%	95.26	Premium
FR75	7.500	15-May-38	16.29	104.41	7.04%	6.91%	105.71	Fair
FR50	10.500	15-Jul-38	16.46	132.46	7.12%	6.91%	134.91	Discounted
FR79	8.375	15-Apr-39	17.21	112.62	7.09%	6.94%	114.26	Fair
FR83	7.500	15-Apr-40	18.21	104.66	7.04%	6.97%	105.39	Fair
FR57	9.500	15-May-41	19.29	124.24	7.16%	7.00%	126.22	Fair
FR62	6.375	15-Apr-42	20.21	98.00	6.55%	7.02%	93.04	Premium
FR92	7.125	15-Jun-42	20.38	101.74	6.96%	7.03%	101.04	Fair
FR67	8.750	15-Feb-44	22.05	116.25	7.26%	7.06%	118.71	Fair
FR76	7.375	15-May-48	26.29	102.89	7.13%	7.13%	102.83	Fair
FR89	6.875	15-Aug-51	29.55	99.91	6.88%	7.17%	96.35	Premium

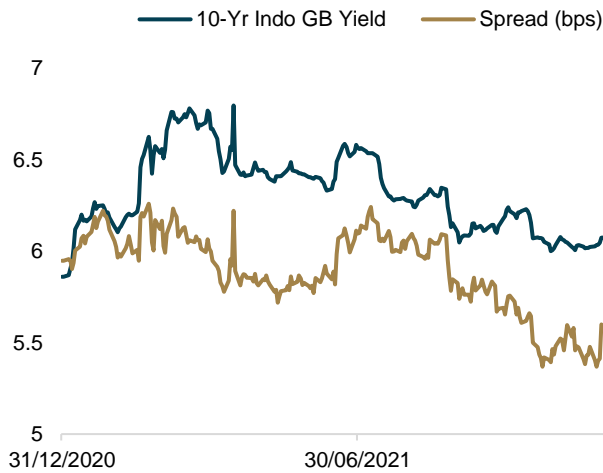
Source : Bloomberg, MNCS Calculation as of January 28, 2022

## Exhibit 6. Indo GB Yield Curve



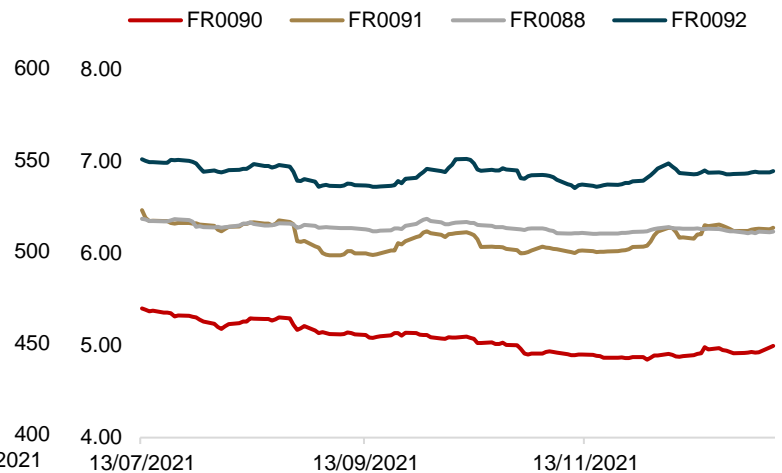
Source : Bloomberg, MNCS Calculation as of January 28, 2022

## 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

## MNC Research Industry Ratings Guidance

**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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