



**ONLINE TRAINING COURSE ON
“SUSTAINABLE TOURISM INDICATORS”
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SDG 8.9.1 Indicator: Tourism direct GDP as a proportion of total GDP and in growth rate

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OUTLINE

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01

BACKGROUND



Tourism Expenditure and Tourism Consumption:

Tourism expenditure is the amount paid for the acquisition of consumption goods and services, as well as valuables, for own use or to give away, for and during tourism trips. It includes expenditure by visitors themselves as well as expenses that are paid for or reimbursed by others (see IRTS 2008, para. 4.2).

2.22. In addition to the monetary expenditure on consumption goods and services paid directly by visitors, tourism expenditure (see IRTS 2008, para. 4.5) includes in particular:

- a. Monetary expenditure on consumption goods and services paid for directly by the employer for employees on business travel;
- b. Monetary expenditure by the visitor refunded by a third party, either employers (business, Government and non-profit institutions serving households (NPISH)), other household or the social insurance scheme;
- c. Monetary payment made by visitors for the individual services provided and subsidized by Government and non-profit institutions serving households in the areas of education, health, museums, performing arts, etc.;
- d. Out-of-pocket payments for services provided to employees and their families on tourism trips financed principally by employers, such as subsidized transport, accommodation, stays in holiday residences of employers or other services;
- e. Supplementary payments made by visitors to attend sports or any other cultural events on the invitation of, and principally paid for by, producers (business, government, non-profit institutions serving households).

2.23. **Tourism expenditure does not include** other types of payments that visitors might make that do not correspond to the acquisition of goods or services, such as payment of taxes, interest, purchase of financial and non-financial assets, etc. International Recommendations for Tourism Statistics 2008 makes explicit mention of these excluded payments (see IRTS 2008, paras. 4.6 and 4.7).

2.24. **The first three Tourism Satellite Account tables use the concept of tourism expenditure**, and this expenditure is presented according to different categories (paras. 4.36 to 4.40

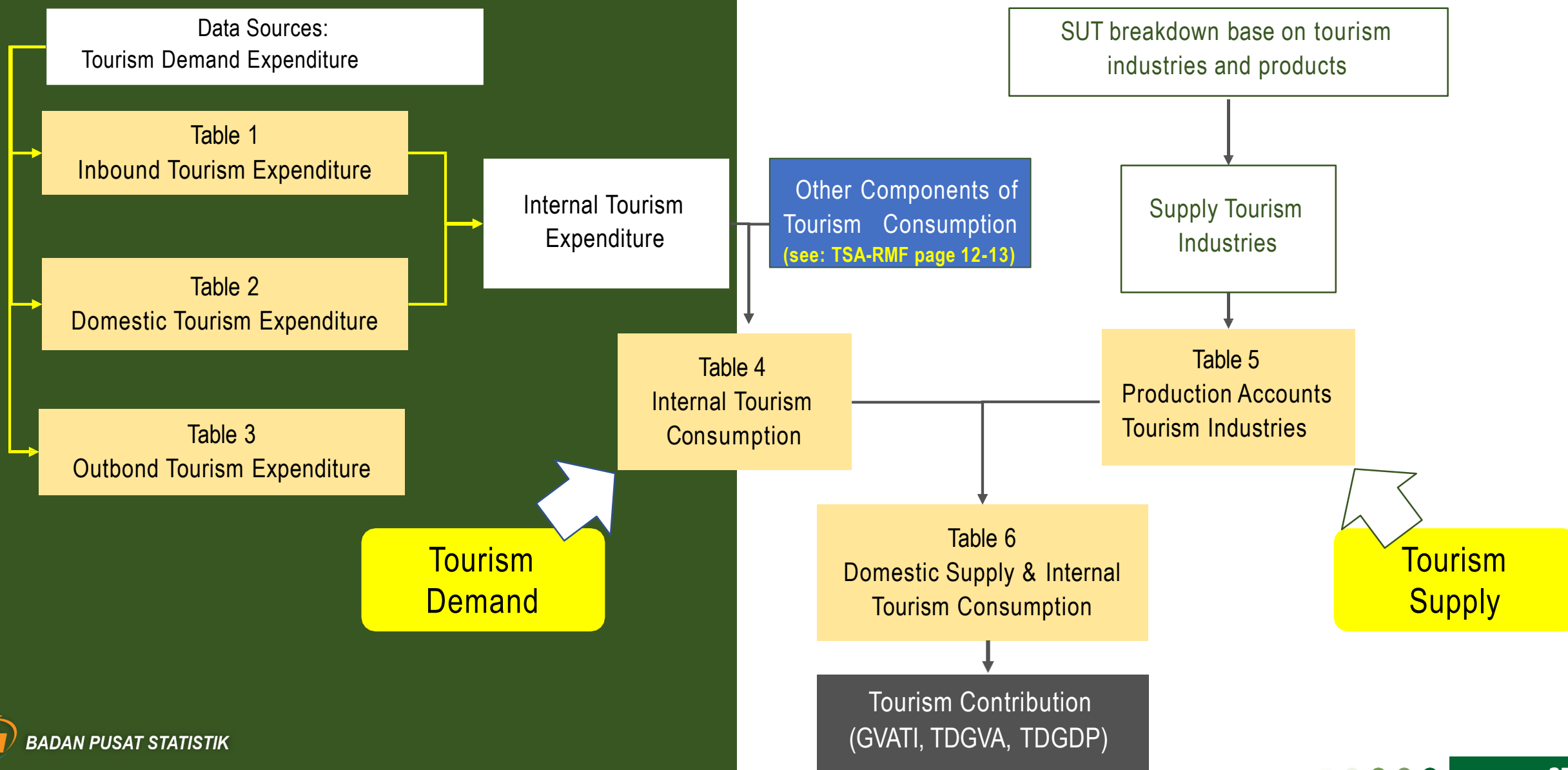
Tourism consumption has the same formal definition as tourism expenditure. Nevertheless, the concept of tourism consumption used in the Tourism Satellite Account goes beyond that of tourism expenditure. Actually, besides the amount paid for the acquisition of consumption goods and services, as well as valuables for own use or to give away, for and during tourism trips, which corresponds to monetary transactions (the focus of tourism expenditure), **it also includes** services associated with vacation accommodation on own account, tourism social transfers in kind and other imputed consumption. These transactions need to be estimated using sources different from information collected directly from the visitors, such as reports on home exchanges, estimations of rents associated with vacation homes, calculations of financial intermediation services indirectly measured (FISIM), .etc.

2.26. More precisely, beyond acquisitions already included in tourism expenditure, **it includes imputed consumption and other adjustments** and, in particular:

- (a) The imputed value of barter transactions (for example, temporary exchange of dwellings for vacation purposes);
- (b) The imputed value of goods (vegetables, fruits, game, fish, etc.) produced on own account from the vacation home or resulting from recreation activities (gardening, hunting, fishing, etc.) outside the usual environment;
- (c) **The value of services (either market or for own final use) associated with vacation accommodation on own account (secondary dwellings for vacation purposes and all other types of non-traditional vacation home ownership);**
- (d) The value of FISIM included in any interest paid by visitors on tourism expenditure;
- (e) **The net cost for hosts of receiving visitors in terms of increased expenditure on food, utilities, invitations, presents, etc. (paras. 2.34 to 2.36);**
- (f) The cost for producers (businesses, Governments and NPISH) of expenditure by employees on business trips that do not involve a monetary disbursement by the employee (transportation services provided free of charge or at subsidized price to their employees by carriers, accommodation or meals provided free of charge or at subsidized price to employees by hotels, etc.) (para. 2.32);
- (g) The net cost (that is net of employees' out of pocket payment) for producers of additional services provided to their employees and their families as visitors beyond those already included in tourism expenditure, such as: cost of free or employer-subsidized transportation, cost of accommodation in vacation centres, etc.;
- (h) The part of the value of what the *System of National Accounts 2008* qualifies as government consumption
- (i) expenditure on individual non-market services on products such as education, social services, health, museums, recreation services, etc. that can be considered as benefiting visitors and that *System of National Accounts 2008* describes as social transfers in kind (see paras. 8.141 to 8.145).

2.27. **The concept of tourism consumption will be used in the Tourism Satellite Account in tables 4 and 6**, and will be the basis for the compilation of tourism direct gross value added (TDGVA) and tourism direct gross domestic product (TDGDP)

WORKFLOW TOURISM CONTRIBUTION ESTIMATION





Indonesia Tourism Industry Classification

No	Characteristic of Tourism Industry (IRTS 2008)	No	Tourism Industry Indonesia
1	Accommodation for visitors	1	Accommodation for Visitors
2	Food and beverage serving activities	2	Food and Beverage Serving Activities
3	Railway passenger transport	3	Railway Passenger Transport
4	Road passenger transport	4	Road Passenger Transport
5	Water passenger transport	5	Water Passenger Transport
6	Air passenger transport	6	Air Passenger Transport
7	Transport equipment rental	7	Transport Equipment Rental
8	Travel agencies and other reservation activities	8	Travel Agencies and Other Reservation Activities
9	Cultural activities	9	Cultural, Sport, and Recreational Activities
10	Sports and recreational industry		
11	Retail trade of country-specific tourism characteristic goods	10	Retail Trade of Country-Specific Tourism Characteristics Goods
12	Other country-specific tourism characteristics activities	11	Other Country Specific Tourism Characteristic Activities



Concordance Classification: Accommodation services for visitors



Need concordance to SUT
Classification

Tourism Industry (IRTS 2008)		Tourism Industry (TSA Indonesia)		Indonesia Industry SUT		GDP		Indonesia ISIC/KBLI 2015		
Code	Description	Code	Description	Code	Description	Code	Description	No	Code	Description
(1)	(2)	(3)	(4)					(5)	(6)	(7)
1	Accommodation for visitors	1	Accommodation services for visitors	57	Accommodation Services	I	Accommodation Activity	1	55111	Five-star hotel
								2	55112	Four-star hotel
								3	55113	Three-star hotel
								4	55114	Two-star hotel
								5	55115	One-star hotel
								6	55120	Non-star hotel
								7	55130	Home Stay
								8	55191	Youth Hostel
								9	55194	Vila
								10	55195	Apartement Hotel
								11	55199	Motel
								12	55192	<i>Bumi Perkemahan</i>
								13	55193	<i>Persinggahan Karavan</i>
								14	55900	Provision Of Other Accommodations
				68	Real Estate Activity	L	Real Estate Activity	15	68110	Owned or Rented Real Estate
								16	68120	Tourism Area
								17	68200	Property/ real estate agent



Indonesia Tourism Products Classification

No	Characteristic of Tourism Product (IRTS 2008)	No	Tourism Product Indonesia
1	Accommodation services for visitors	1	Accommodation Services for Visitors
2	Food and beverage serving services	2	Food and Beverage Serving Services
3	Railway passenger transport services	3	Railway Passenger Transport Services
4	Road passenger transport services	4	Road Passenger Transport Services
5	Water passenger transport services	5	Water Passenger Transport Services
6	Air passenger transport services	6	Air Passenger Transport Services
7	Transport equipment rental services	7	Transport Equipment Rental Services
8	Travel agencies and other reservation services	8	Travel Agencies and Other Reservation Services
9	Cultural services	9	Cultural, Sport, and Recreational Services
10	Sports and recreational industry		
11	Country-specific tourism characteristic goods	10	Country-Specific Tourism Characteristics Goods
12	Country-specific tourism characteristics services	11	Country Specific Tourism Characteristic Services



Indonesia Tourism Products Classification (detail level)

Tourism Product (IRTS 2008)		Tourism Product (TSA Indonesia)		Indonesia Product SUT		Indonesia CPC/KBKI 2010		
Code	Description	Code	Description	Code	Description	No	Code	Description
(1)	(2)	(3)	(4)			(5)	(6)	(7)
1	Accommodation for visitors	1	Accommodation services for visitors	215	Accommodation services	1	63111	Room or unit accommodation services for visitors, with daily housekeeping services
						2	63112	Room or unit accommodation services for visitors, without daily housekeeping services
						3	63113	Room or unit accommodation services for visitors, in time-share properties
						4	63114	Accommodation services for visitors, in rooms for multiple occupancy
						5	63120	Camp site services
						6	63130	Recreational and vacation camp services
						7	63210	Room or unit accommodation services
						8	63290	Room or unit accommodation services
				228	Real Estate Services	9	72111	Rental or leasing services involving own or leased residential property
						10	72123	Trade services of time-share properties
						11	72211	Residential property management services on a fee or contract basis except of time-share ownership properties
						12	72213	Time-share property management services on a fee or contract basis
						13	72221	Residential building sales on a fee or contract basis, except of time-share ownership properties
						14	72223	Sale of time-share properties on a fee or contract basis

01

TOURISM SUPPLY-DEMAND



WORKFLOW: THE PRODUCTION ACCOUNT TOURISM INDUSTRY

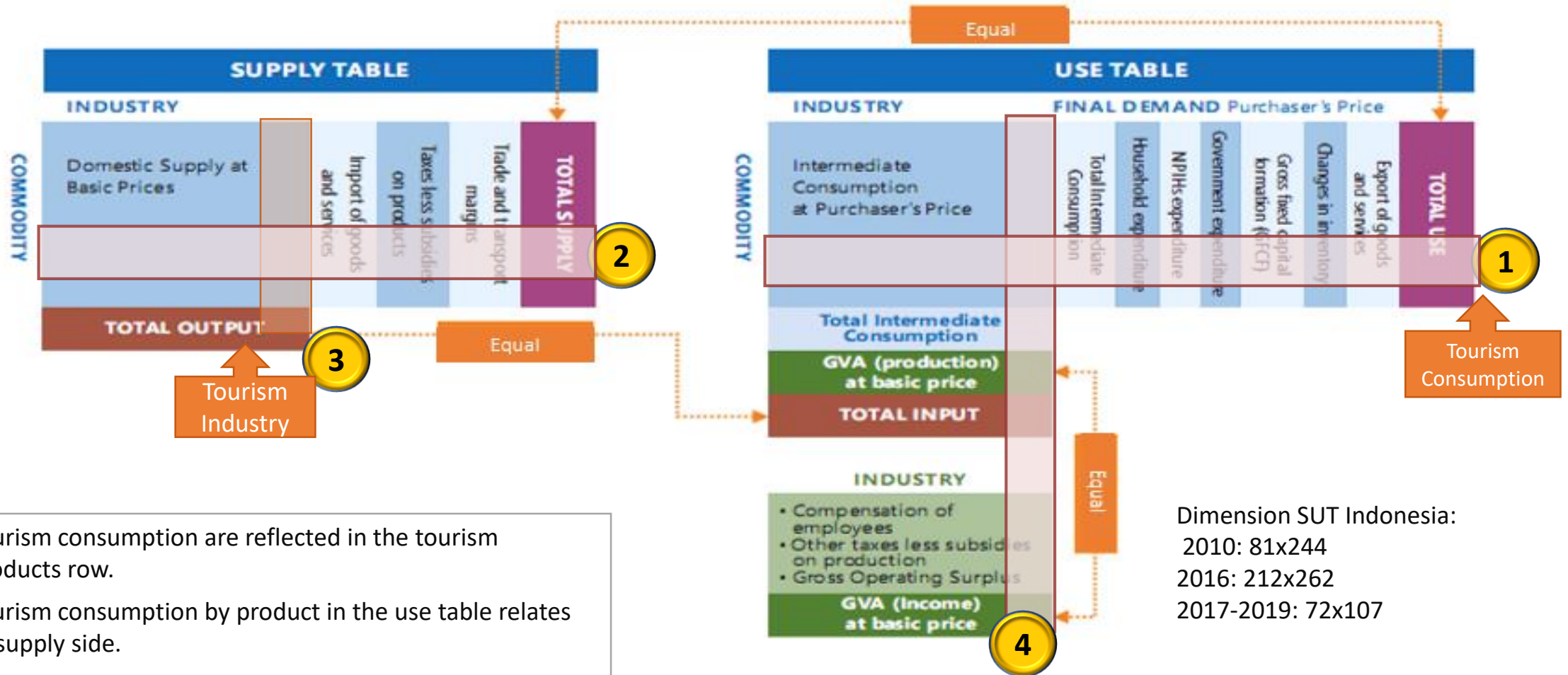
Prepare the concordance classification of tourism industry and product

Identify the SUT industry and product into tourism and non tourism

Derive the tourism share:
commodity flow approach could be use to estimate the internal tourism consumption in the use side and relates the estimation to the supply side

Reconcile the supply-demand and estimate the tourism macro-indicator and tourism indicator

METHODOLOGY



1. Tourism consumption are reflected in the tourism products row.
2. Tourism consumption by product in the use table relates to supply side.
3. Every product consumed by tourists is produced by a corresponding tourism industry
4. The added value generated by each tourism industry

Transfer to Tabel 6. format to estimate Tourism Contribution indicator:

- a. Tourism Direct Gross Value Added (TDGVA);
- b. Tourism Direct Gross Domestic Product (TDGDP)

1

INTERNAL TOURISM CONSUMPTION

Internal Tourism Expenditure and Consumption

(Rp million)

Code	Description	Internal Tourism Expenditure (table 1 plus table 2)	Adjustment (value)	Internal Tourism Consumption
1	Accommodation services for visitors	23.948.015	3.232.982	27.180.997
2	Food and beverage serving services	50.983.560	560	50.984.120
3	Railway passenger transport services			
4	Road passenger transport services			
5	Water passenger transport services			
6	Air passenger transport services			
7	Transport equipment rental services			
8	Travel agencies and other reservation services			
9	Cultural services			
10	Sports and recreational industry			
11	Country-specific tourism characteristic goods			
12	Country-specific tourism characteristics services			
total	Total			

- Internal Tourism Expenditure equal to Table 1. Inbound Tourism Expenditure plus Table 2. Domestic Tourism Expenditure.
- Table 4. Internal tourism consumption equal to Internal tourism expenditure plus “adjustment factor”,
- “Adjustment factor” for accommodation services for visitor is the value of services (either market or for own final use) associated with vacation accommodation on own account.
- Note: The figure in the table is dummy number.

SUPPLY TOURISM INDUSTRIES



SUT industry classification

Tourism industry classification

SUT valuation

Tabel #. SUPPLY TABLES FOR TOURISM
(Rp. million)

(Rp. million)															
Code	Description SUT-Tourism	Agriculture	Other Services (N)	P.3	P.4	P.5	P.6	P.1	P.2	P.9	4019	4049	5019	DOMESTIK SUPPLY
					Railway passenger transport activities	Road passenger transport activities	Water passenger transport activities	Air passenger transport activities	Accommodation activities for visitors	Food-and beverage-serving activities	Cultural activities	Import	Net taxes on products	Margin	
		M - 01		N - 81	M - 50	M - 51	M - 52	M - 54	M - 57	M - 58	N - 76	4019	4049	5019	
215	Accommodation services								26.445.118	-			2.082.911		28.528.029
216	Food and Beverages services								1.298.222	159.600.865			1.057.183		161.956.270
239	Cultural services								-	-					
239	Sport and recreation								-	-					
243	Other Tourism productst								-	-					
	Output								27.743.340	159.600.865			3.140.094		
	Gross Value Added								16.646.004	63.840.346					

SUT product classification related to tourism

- Tourism consumption by product in the use table relates to supply side
- Note: The figure in the table is dummy example.**

DOMESTIC SUPPLY & TOURISM INTERNAL CONSUMPTION

Tabel 6. Total Domestic Supply and Internal Tourism Consumption
(purchaser's price - Rp million)

Products		Toursim Industries								Other Industries		Output domestic at basic prices		4019		4049		5019		Domestic Supply at Purchaser's price	Internal Tourism Consumption **	Tourism Ratio (%)
		P.1		P.2		P.11		P.12														
		Accommodation for visitors		Food and beverage serving activities		Retail trade of country-specific tourism characteristic goods		Other country-specific tourism characteristics activities														
		Output	Tourism share	Output	Tourism share	Output	Tourism share	Output	Tourism share													
A Consumption Products																						
A1 Tourism characteristic products																						
1 Accommodation services for visitors		26.445.118	25.196.437												2.082.911	1.984.560			28.528.029	27.180.997	95,28	
2 Food and beverage serving services		1.298.222	408.682												1.057.183	332.803			161.956.270	50.984.120	31,48	
3 Railway passenger transport services		-	-																			
....																						
8 Travel agencies and other reservation se		-	-																			
9 Cultural services		-	-																			
10 Sports and recreational industry		-	-																			
11 Country-specific tourism characteristic g		-	-																			
12 Country-specific tourism characteristics :		-	-																			
A2 Other consumption products		-	-																			
TOTAL OUTPUT (at basic prices)		27.743.340	25.605.119													3.140.094	2.317.363					
TOTAL GROSS VALUE ADDED (at basic prices)		16.646.004	15.363.071																			

Tourism Ratio

GVATI

TDGVA

Net taxes on products

- Every product consumed by tourists is produced by a corresponding tourism industry. The added value will be generated by each tourism industry
- Table 6 is the "heart" of the TSA which produces the GVATI, TDGVA and TDGDP indicators
- TDGDP equal to TDGVA plus net taxes on product related to tourism
- Note: The figure in the table is dummy example.**

RELATION ECONOMIC AGGREGATE RELATES TO TOURISM

Description	Gross Value Added of Tourism Industry (GVATI)	Total Direct Gross Value Added (TDGVA)	Total Direct Gross Domestic Product (TDGDP)
GVA (at basic prices) consist of the supply of visitors to the tourism industry	✓	✓	✓
GVA (at basic prices) consist of the supply of non visitors to the tourism industry	✓	X	X
GVA (at basic prices) consist of the supply of visitor supply in other industries	X	✓	✓
GVA (at basic prices) consist of supply for non-visitor supply in other industries	X	X	X
Net taxes on products include internal consumption (at purchasers' prices)	X	X	✓

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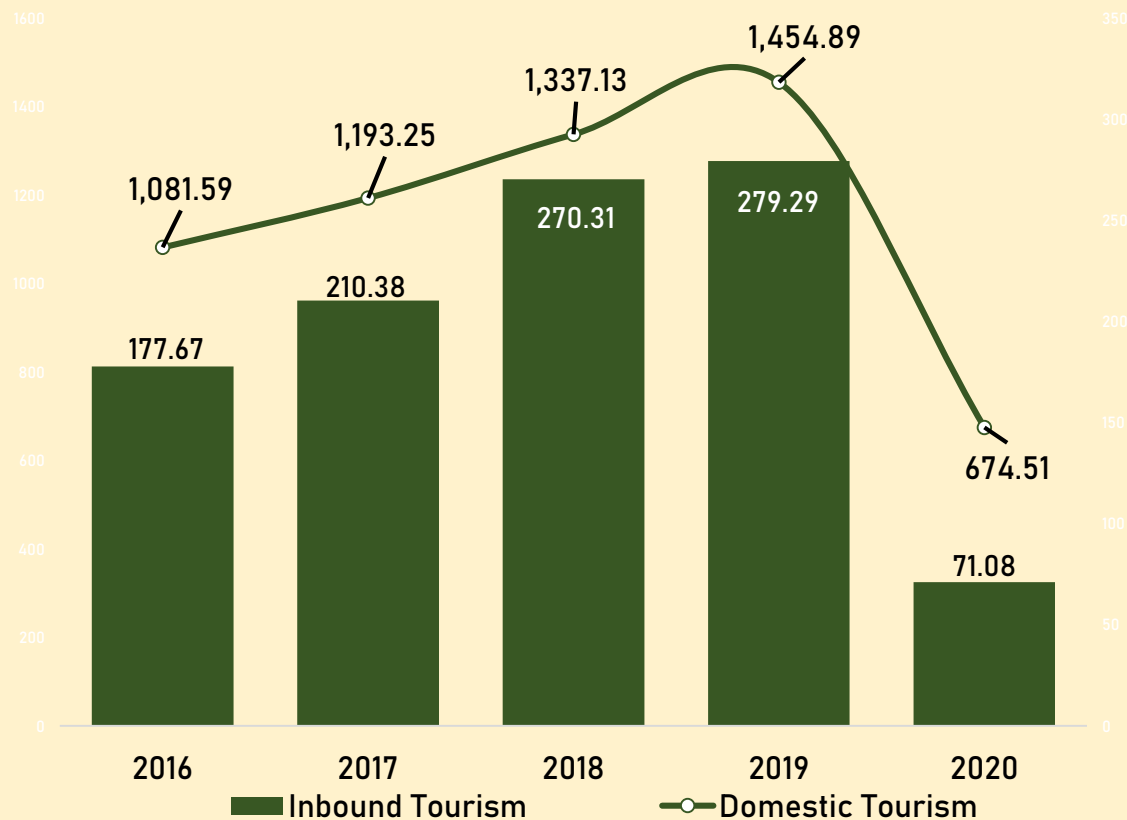
DISSEMINATION

INDONESIA TOURISM SATELLITE ACCOUNTS



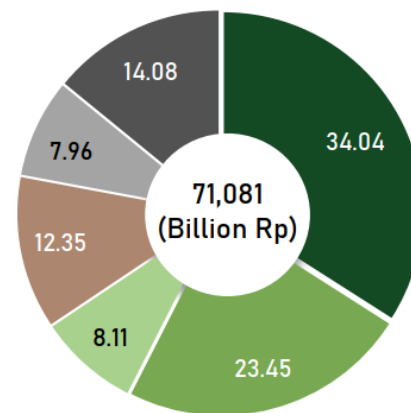


INDONESIA INBOUND AND DOMESTIC TOURISM EXPENDITURE

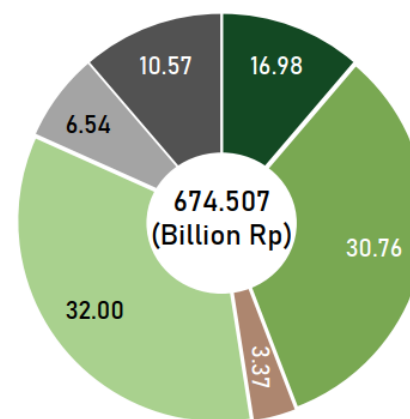


In 2020, inbound tourism expenditure decline from 675trillion Rp or 54 percent from 1.455Trillion Rp in 2019

Inbound Tourism (Percent)



Domestic Tourism (Percent)

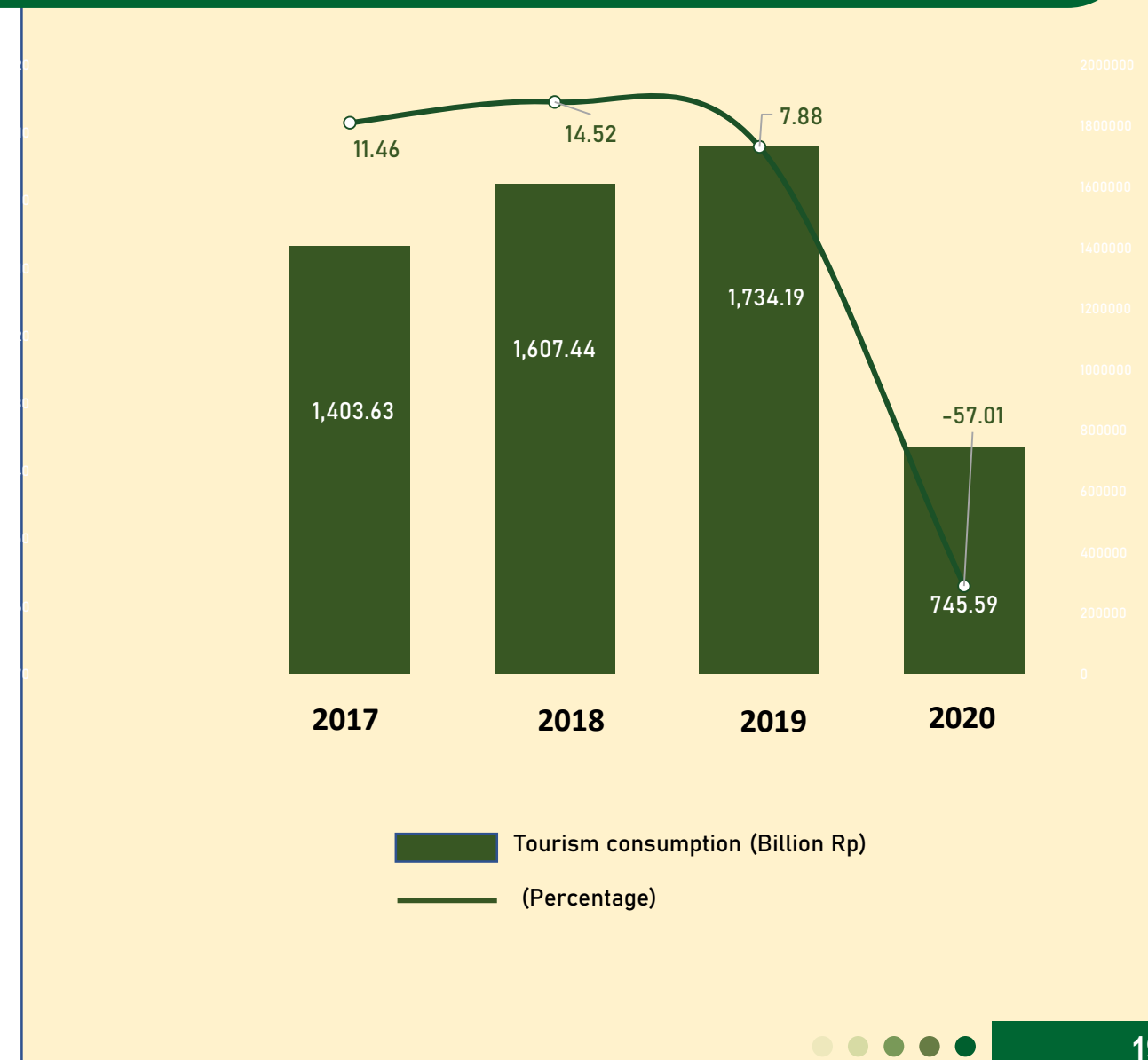
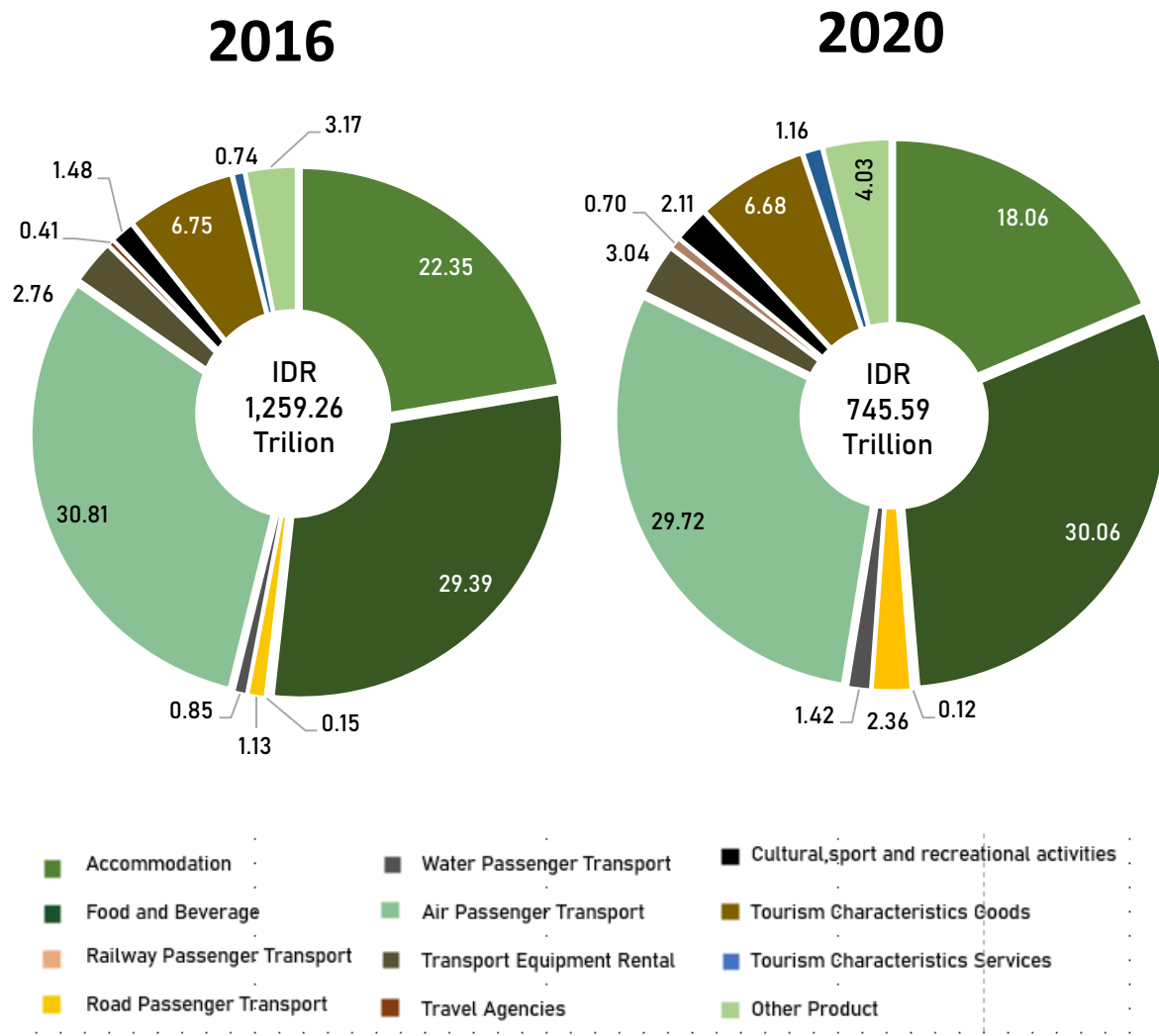


- Accommodation
- Food and Beverage
- Air Passenger Transport
- Other Product
- Tourism Characteristics Goods
- Other Tourism Product





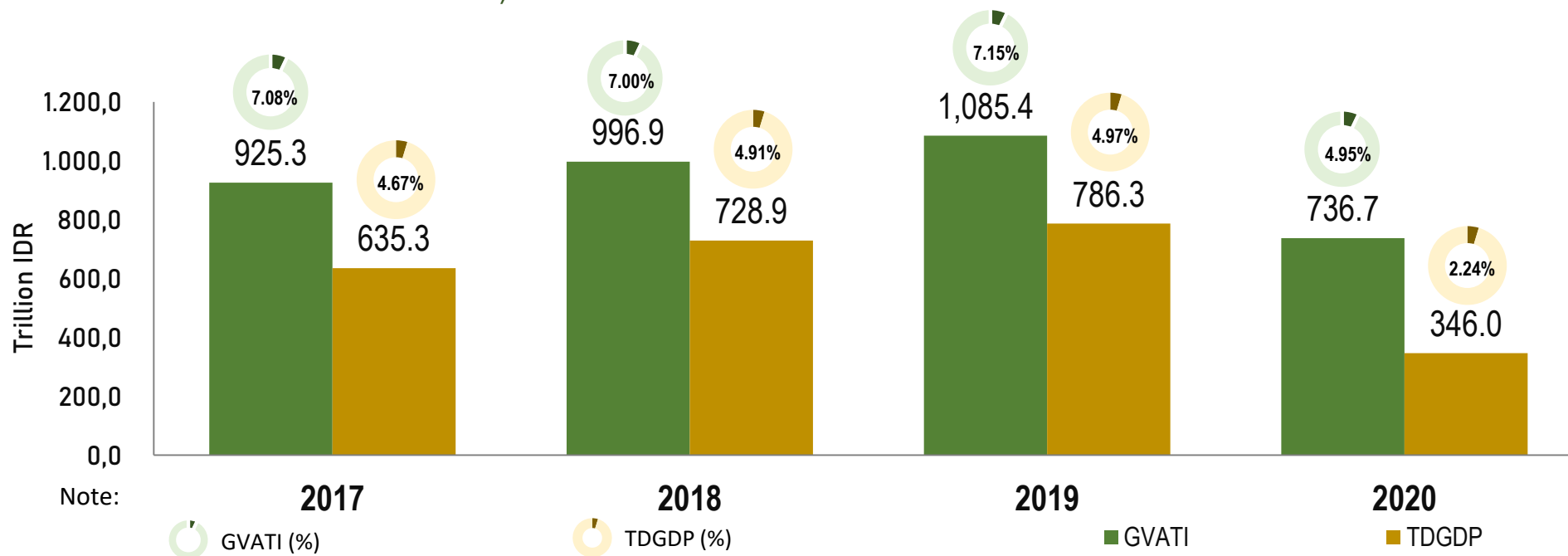
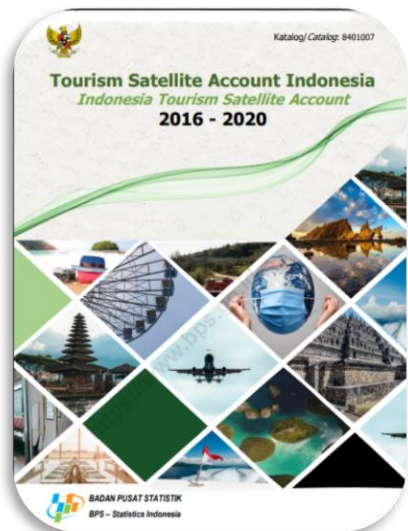
INDONESIA INTERNAL TOURISM CONSUMPTION (percent)





INDONESIA TOURISM INDICATOR

Contribution of Indonesia Tourism, 2017-2020



During 2020, the covid-19 pandemic hit the world, including Indonesia. The impact to tourism contribution in 2020 is 2.24 percent lower than 4.97 percent in 2019.

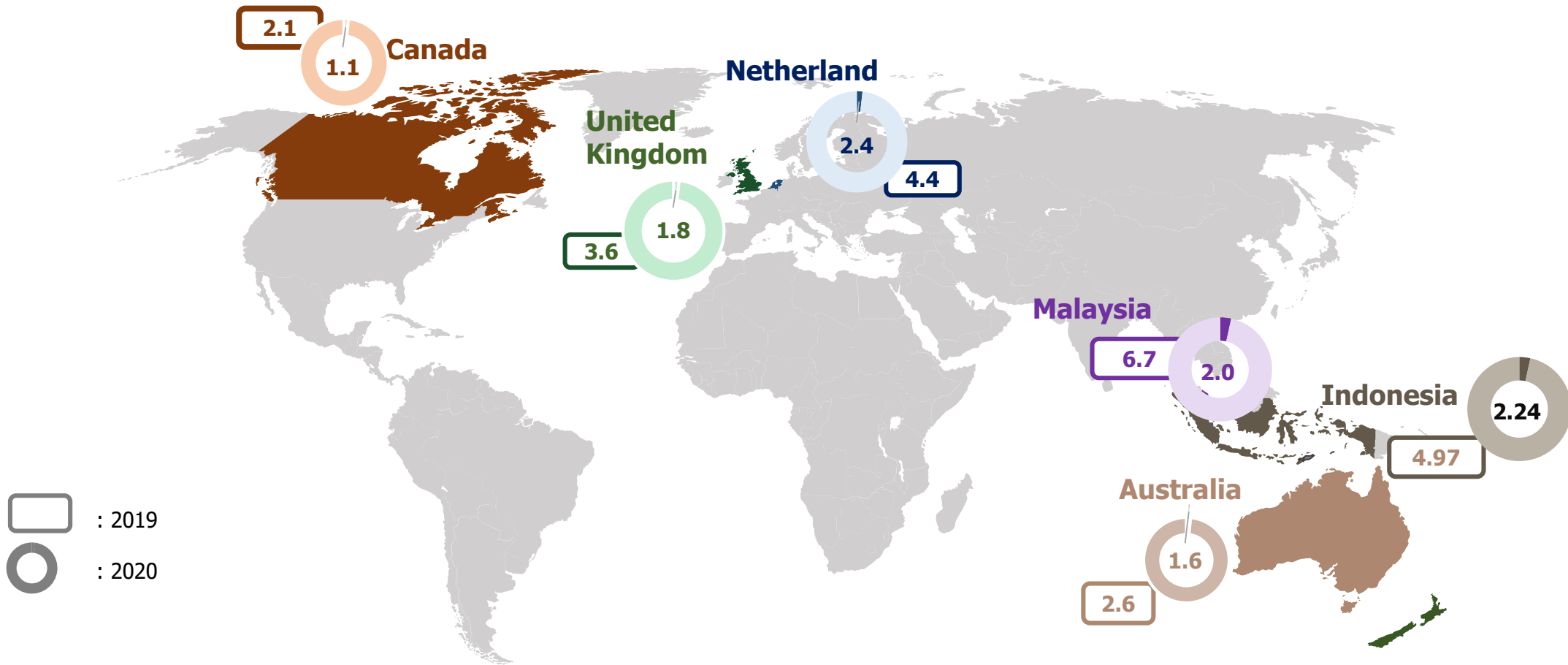
Growth of Indonesia Tourism Contribution, 2017-2020 (%) (at current price)

Description	2017	2018	2019	2020
Gross value Added Tourism Industry (GVATI)	8.94	7.74	8.87	-32.12
Tourism Direct Gross Value Added (TDGVA)	10.16	14.51	7.98	-56.75
Tourism Direct Gross Domestic Product (TDGDP)	10.16	14.73	7.87	-55.99

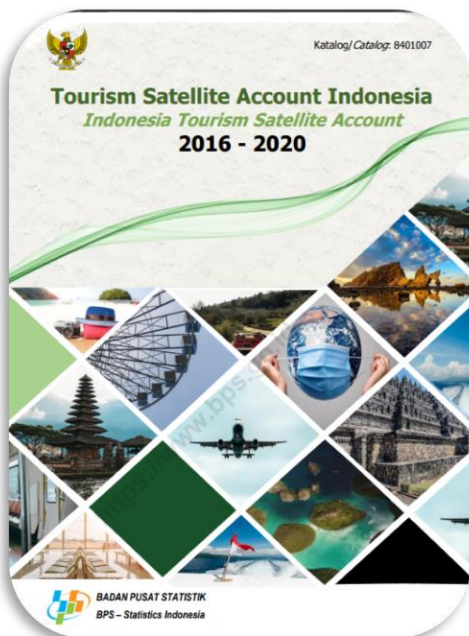
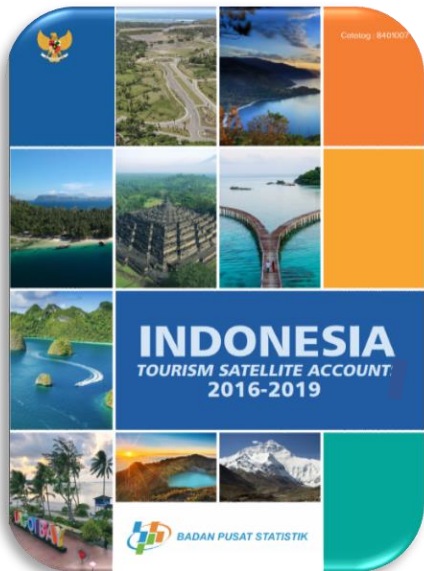
Source : Indonesia Tourism Satellite Account 2016-2020, 2022



TOURISM DIRECT GDP 2019-2020 (%)



- Source : UNWTO and several statistics office
- World Contribution TDGDP 2020 was 1,8 percent



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Abstraction

The COVID-19 pandemic has put the world in an unprecedented situation and poses many socio-economic challenges that must be addressed. The spread of this pandemic was felt in almost all activities from Education, Health, Economics and others. The tourism sector has also received the impact of this pandemic, which can be seen from the number of tourists who experienced a drastic decline of 74.86 percent in 2020 compared to the previous year. The decline in the number of tourists during the pandemic was due to the stoppage of international flights to Indonesia.

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