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LAMPIRAN

INSTITUTE OF TRANSPORTATION ENGINEERS
COMMON TRIP GENERATION RATES (PM Peak Hour)

(Trip Generation Manual, 9th Edition)

Code	Description	Unit of Measure	Trips Per Unit	
PORT AND TERMINAL				
30	Truck Terminal	Acres	6.55	
90	Park and Ride Lot with Bus Service	Parking Spaces	0.62	
INDUSTRIAL				
110	General Light Industrial	1,000 SF	0.97	
120	General Heavy Industrial	Acres	2.16	
130	Industrial Park	1,000 SF	0.85	
140	Manufacturing	1,000 SF	0.73	
150	Warehousing	1,000 SF	0.32	
151	Mini-Warehouse	1,000 SF	0.26	
152	High-Cube Warehouse	1,000 SF	0.12	
170	Utilities	1,000 SF	0.76	
RESIDENTIAL				
210	Single-Family Detached Housing	Dwelling Units	1.00	
220	Apartment	Dwelling Units	0.62	
221	Low-Rise Apartment	Dwelling Units	0.58	
230	Residential Condominium / Townhouse	Dwelling Units	0.52	
240	Mobile Home Park	Dwelling Units	0.59	
251	Senior Adult Housing - Detached	Dwelling Units	0.27	
252	Senior Adult Housing - Attached	Dwelling Units	0.25	
253	Congregate Care Facility	Dwelling Units	0.17	
254	Assisted Living	Beds	0.22	
255	Continuing Care Retirement Community	Dwelling Units	0.16	
LODGING				
310	Hotel	Rooms	0.60	
320	Motel	Rooms	0.47	
330	Resort Hotel	Rooms	0.42	
RECREATIONAL				
411	City Park	Acres	0.19	*
412	County Park	Acres	0.09	*
413	State Park	Acres	0.07	
	Park	Acres	1.30	
	ground / Recreation Vehicle Park	Camp Sites	0.27	
	al Park	Acres	0.20	
		Berths	0.19	
	ourse	Acres	0.30	
	ure Golf Course	Holes	0.33	

Code	Description	Unit of Measure	Trips Per Unit	
432	Golf Driving Range	Tees / Driving Positions	1.25	
433	Batting Cages	Cages	2.22	
435	Multi-Purpose Recreational Facility	Acres	5.77	
437	Bowling Alley	1,000 SF	1.71	
441	Live Theater	Seats	0.02	
443	Movie Theater without Matinee	1,000 SF	6.16	
444	Movie Theater with Matinee	1,000 SF	3.80	
445	Multiplex Movie Theater	1,000 SF	4.91	
452	Horse Race Track	Acres	4.30	*
454	Dog Race Track	Attendance Capacity	0.15	
460	Arena	Acres	3.33	*
473	Casino / Video Lottery Establishment	1,000 SF	13.43	
480	Amusement Park	Acres	3.95	
488	Soccer Complex	Fields	17.70	
490	Tennis Courts	Courts	3.88	
491	Racquet / Tennis Club	Courts	3.35	
492	Health / Fitness Club	1,000 SF	3.53	
493	Athletic Club	1,000 SF	5.96	
495	Recreational Community Center	1,000 SF	1.45	
INSTITUTIONAL				
520	Elementary School	1,000 SF	1.21	
522	Middle School / Junior High School	1,000 SF	1.19	
530	High School	1,000 SF	0.97	
536	Private School (K-12)	Students	0.17	
540	Junior / Community College	1,000 SF	2.54	
560	Church	1,000 SF	0.55	
565	Daycare Center	1,000 SF	12.46	
566	Cemetery	Acres	0.84	
571	Prison	1,000 SF	2.91	
580	Museum	1,000 SF	0.18	
590	Library	1,000 SF	7.30	
591	Lodge / Fraternal Organization	Members	0.03	
MEDICAL				
610	Hospital	1,000 SF	0.93	
620	Nursing Home	1,000 SF	0.74	
630	Clinic	1,000 SF	5.18	
640	Animal Hospital / Veterinary Clinic	1,000 SF	4.72	

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Code	Description	Unit of Measure	Trips Per Unit
OFFICE			
710	General Office Building	1,000 SF	1.49
714	Corporate Headquarters Building	1,000 SF	1.41
715	Single Tenant Office Building	1,000 SF	1.74
720	Medical-Dental Office Building	1,000 SF	3.57
730	Government Office Building	1,000 SF	1.21
732	United States Post Office	1,000 SF	1.22
733	Government Office Complex	1,000 SF	2.85
750	Office Park	1,000 SF	1.48
760	Research and Development Center	1,000 SF	1.07
770	Business Park	1,000 SF	1.29
RETAIL			
812	Building Materials and Lumber Store	1,000 SF	4.49
813	Free-Standing Discount Superstore	1,000 SF	4.35
814	Variety Store	1,000 SF	6.82
815	Free Standing Discount Store	1,000 SF	4.98
816	Hardware / Paint Store	1,000 SF	4.84
817	Nursery (Garden Center)	1,000 SF	6.94
818	Nursery (Wholesale)	1,000 SF	5.17
820	Shopping Center	1,000 SF	3.71
823	Factory Outlet Center	1,000 SF	2.29
826	Specialty Retail Center	1,000 SF	2.71
841	New Car Sales	1,000 SF	2.62
842	Recreational Vehicle Sales	1,000 SF	2.54
843	Automobile Parts Sales	1,000 SF	5.98
848	Tire Store	1,000 SF	4.15
850	Supermarket	1,000 SF	9.48
851	Convenience Market (Open 24 Hours)	1,000 SF	52.41
852	Convenience Market (Open 15-16 Hours)	1,000 SF	34.57
853	Convenience Market with Gasoline Pumps	1,000 SF	50.92
854	Discount Supermarket	1,000 SF	8.34
857	Discount Club	1,000 SF	4.18
860	Wholesale Market	1,000 SF	0.88
	g Goods Superstore	1,000 SF	1.84
	mprovement Superstore	1,000 SF	2.33
	nics Superstore	1,000 SF	4.50
	hildren's Superstore	1,000 SF	4.99
	pply Superstore	1,000 SF	3.38
	Supply Superstore	1,000 SF	3.40
	ment Store	1,000 SF	1.87

Code	Description	Unit of Measure	Trips Per Unit
876	Apparel Store	1,000 SF	3.83
879	Arts and Craft Store	1,000 SF	6.21
880	Pharmacy / Drugstore without Drive-Through Window	1,000 SF	8.4
881	Pharmacy / Drugstore with Drive-Through Window	1,000 SF	9.91
890	Furniture Store	1,000 SF	0.45
896	DVD/Video Rental Store	1,000 SF	13.60
SERVICES			
911	Walk-In Bank	1,000 SF	12.13
912	Drive-In Bank	1,000 SF	24.30
918	Hair Salon	1,000 SF	1.93
925	Drinking Place	1,000 SF	11.34
931	Quality Restaurant	1,000 SF	7.49
932	High-Turnover (Sit-Down) Restaurant	1,000 SF	11.15
933	Fast Food Restaurant without Drive-Through Window	1,000 SF	26.15
934	Fast Food Restaurant with Drive-Through Window	1,000 SF	33.84
935	Fast Food Restaurant with Drive-Through Window and No Indoor Seating	1,000 SF	153.85
936	Coffee / Donut Shop without Drive-Through Window	1,000 SF	40.75
937	Coffee / Donut Shop with Drive-Through Window	1,000 SF	42.8
938	Coffee / Donut Shop with Drive-Through Window and No Indoor Seating	1,000 SF	75
940	Bread / Donut / Bagel Shop with Drive-Through Window	1,000 SF	18.99
941	Quick Lubrication Vehicle Shop	Service Bays	5.19
942	Automobile Care Center	1,000 SF	3.11
943	Automobile Parts and Service Center	1,000 SF	4.46
944	Gasoline / Service Station	Fueling Positions	13.87
945	Gasoline / Service Station with Convenience Market	Fueling Positions	13.51
946	Gasoline / Service Station with Convenience Market and Car Wash	Fueling Positions	13.94
947	Self Service Car Wash	Stalls	5.54
948	Automated Car Wash	1,000 SF	14.12
950	Truck Stop	1,000 SF	13.63

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d uses in the 800 and 900 series are entitled to a "passby" trip reduction of 60% if less than 50,000 ft^2 or a
ction of 40% if equal to or greater than 50,000 ft^2.

* Approximated by 10% of Weekday average rate.

KUISIONER

I. KARAKTERISTIK INDIVIDU

1. Tuliskanlah atau lingkarilah sesuai data pribadi Anda pada isian berikut:

Nama : .....

Jenis Kelamin : Laki-laki / Wanita

Hari : .....

Umur : .....

Tanggal : .....

2. Lingkarilah jawaban Anda pada Kolom Pilihan Karaktersitik Individu sesuai dengan pertanyaan yang ada pada Kolom Pertanyaan Karakteristik Individu

No	Pertanyaan Karakteristik Individu	Pilihan Karakteristik Individu							
1	Pendidikan terakhir anda ?	a. Tidak tamat SD	b. SD	c. SLTP	d. SLTA	e. Diploma	f. S1	g. S2	h.S3
2	Berapa Pendapatan Anda Perbulan ? (Rp)	a. < 1,5 Juta	b. 1,5 - 2,5 Juta	c. 2,5 - 5 Juta	d. > 5 Juta				
3	Pekerjaan anda ?	a. PNS/BUMN	b. TNI/POLRI	c. Guru/Dosen	d. Wirausaha	e. Pelajar	f. Mahasiswa	g. Pegawai Swasta	h. .....
4	Kedudukan / Status dalam keluarga ?	a. Suami	b.Istri	c. Anak	d. Orang tua	e. Saudara	f.		

II. PREFERENSI PEMILIHAN MODA

Jawablah pertanyaan tentang Preferensi Pemilihan Moda , yang Pertanyaan & Alternatif Jawabannya tersaji pada Tabel berikut:

Tabel Pertanyaan & Alternatif Jawaban Respoden mengenai Preferensi Pemilihan Moda

No	Pertanyaan Atribut Perjalanan	Alternatif Jawaban mengenai Preferensi Pemilihan Moda			
1	Rute Selayar - Makassar	a. Kendaraan Umum	b. Kendaraan Pribadi	c. Pesawat	
2	Rute Selayar - Bone	a. Kendaraan Umum	b. Kendaraan Pribadi	c. Pesawat	
3	Rute Selayar - Kendari	a. Kendaraan Umum	b. Kendaraan Pribadi	c. Pesawat	
4	Tanggapan Terhadap Pemda ?	a.Sangat Baik	b. Baik	c. Kurang	d. Sangat Kurang

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1. **Perhitungan Runway**

Koreksi akibat elevasi (FE)

FE = [1+ (0,07 x E/300)]

Jadi FE = [1+ (0,07 x 13,27/300)]

= 1,0031

Koreksi akibat temperatur (FT)

FT = [1 + (0,01 x (T – (15 – 0,0065E))]

Jadi FT = [1 + (0,01 x (28 – (15 – 0,0065 x 13,27))]

= 1,1309

Koreksi akibat slope runway

FG = [1 + (0,1 x G)]

Jadi FG = [1 + (0,1 x 0)]

= 1

Pengaruh Angin Permukaan Terhadap Panjang Runway, maka untuk kekuatan angin 20 knot faktor koreksi angin

(F_w) = 10%.

= - 0,1

1. Tipe Pesawat CASA C 212-300

$$Lro = (ARFL \times F_t \times F_e \times F_g) + (ARFL \times (F_W))$$

$$Lro = (866 \times 1{,}1309 \times 1{,}0031 \times 1) + (866 \times (-0{,}1))$$

$$Lro = 900$$

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2. Perhitungan Panjang Apron

✓ Pesawat CASA C 212-300

P = G.W + (G-1) C + 2Pb

Dimana : G = 1 buah

W = 20,3 m

C = 3 m

Pb= 16,2 m

Jadi : P= 1.20,3+(1-1)3+2.16,2 = 52,7 m

3. Perhitungan Lebar Apron

✓ Pesawat CASA C 212-300

L = 2 x PB + 3C

Dimana : C = 3 m

Pb= 16,2 m

L = 2.16,2 + 3.3 = 41,4 m

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TABEL/*Table* 9.3.2
JUMLAH WISATAWAN YANG BERKUNJUNG KE KABUPATEN KEPULAUAN SELAYAR DIRINCI MENURUT OBJEK WISATA TAHUN 2013
Number of Tourists' Visits By Tourism Object in Kepulauan Selayar Regency Year 2013

BULAN/ *Month*	Pantai Barat Baloiya	Pantai Timur	Benteng
(1)	(2)	(3)	(4)
JANUARI / *January*	267	309	234
PEBRUARI / *February*	125	207	125
MARET / *March*	178	200	87
APRIL / *April*	45	332	107
MEI / *May*	76	290	264
JUNI / *June*	45	409	133
JULI / *July*	235	405	155
AGUSTUS / *August*	0	0	96
SEPTEMBER / *September*	0	0	78
OKTOBER / *October*	69	494	125
NOPEMBER / *November*	154	389	369
DESEMBER / *December*	58	490	299
2013	1 252	3 525	2 072

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TOURISM

TABEL/*Table* 9.3.2
JUMLAH WISATAWAN YANG BERKUNJUNG KE KABUPATEN KEPULAUAN SELAYAR DIRINCI MENURUT OBJEK WISATA TAHUN 2014
Number of Tourist' Visits by Tourism Object in Kepulauan Selayar Regency Year 2014

BULAN/ *Month*	Pantai Barat Baloiya	Pantai Timur	Benteng
(1)	(2)	(3)	(4)
JANUARI / *January*	-	-	*)
PEBRUARI / *February*	28	-	*)
MARET / *March*	15	24	*)
APRIL / *April*	-	13	*)
MEI / *May*	-	-	*)
JUNI / *June*	-	-	*)
JULI / *July*	-	-	*)
AGUSTUS / *August*	-	-	*)
SEPTEMBER / *September*	-	-	*)
OKTOBER / *October*	-	-	*)
NOPEMBER / *November*	-	-	*)
DESEMBER / *December*	-	-	*)
2014	43	37	*)

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Tabel / *Table* 8.2.5 **Jumlah Wisatawan Yang Berkunjung Ke Kabupaten Kepulauan Selayar dirinci Menurut Objek Wisata, 2015**
Number of Tourist Visits by Tourism Object in Kepulauan Selayar Regency, 2015

Bulan *Month*	Pantai Barat Baloiya	Pantai Timur	Benteng
(1)	(2)	(3)	(4)
Januari / *January*	275	10	202
Februari / *February*	105	75	117
Maret / *March*	65	22	142
April / *April*	182	20	212
Mei / *May*	72	8	130
Juni / *June*	80	18	220
Juli / *July*	72	27	487
Agustus / *August*	58	15	107
September / *September*	372	82	320
Oktober / *October*	525	86	592
November / *November*	365	115	324
Desember / *December*	283	42	372
Jumlah/*Total*	**2 454**	**520**	**3 225**

Sumber : Dinas Kebudayaan dan Pariwisata Kabupaten Kepulauan Selayar
Source : *Kepulauan Selayar Regency's Services of Culture and Tourism*

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Tabel / *Table* 8.2.5 **Jumlah Wisatawan Yang Berkunjung Ke Kabupaten Kepulauan Selayar dirinci Menurut Objek Wisata, 2016**
Number of Tourist Visits by Tourism Object in Kepulauan Selayar Regency, 2016

Bulan *Month*	Pantai Barat Baloiya	Pantai Timur	Benteng	Lainnya
(1)	(2)	(3)	(4)	(4)
Januari / *January*	550	470	286	8
Februari / *February*	45	40	29	2
Maret / *March*	139	139	137	3
April / *April*	150	147	140	-
Mei / *May*	150	110	51	-
Juni / *June*	30	27	15	-
Juli / *July*	52	37	30	3
Agustus / *August*	50	44	38	1
September / *September*	850	650	400	13
Oktober / *October*	500	500	400	6
November / *November*	670	570	400	3
Desember / *December*	506	500	400	1
Jumlah/ *Total*	3 692	3 234	2 326	40

Sumber : Dinas Kepariwisataan Kabupaten Kepulauan Selayar
Source : *Tourism Agency of Kepulauan Selayar Regency*

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Tabel / *Table* 8.2.5 **Jumlah Wisatawan Yang Berkunjung Ke Kabupaten Kepulauan Selayar dirinci Menurut Objek Wisata, 2017**
Number of Tourist Visits by Tourism Object in Kepulauan Selayar Regency, 2017

Bulan *Month*	Pantai Barat Baloiya	Pantai Timur	Benteng	Lainnya
(1)	(2)	(3)	(4)	(4)
Januari / *January*	-	16	194	7
Februari / *February*	-	37	231	11
Maret / *March*	17	83	452	63
April / *April*	29	81	1 161	157
Mei / *May*	28	52	384	-
Juni / *June*	45	39	190	12
Juli / *July*	106	11	995	37
Agustus / *August*	50	16	388	88
September / *September*	36	23	966	221
Oktober / *October*	-	83	356	-
November / *November*	44	62	640	699
Desember / *December*	71	41	345	15
Jumlah/ *Total*	**426**	**544**	**6 302**	**1 310**

Sumber : Dinas Kepariwisataan Kabupaten Kepulauan Selayar
Source : *Tourism Agency of Kepulauan Selayar Regency*

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Tabel / *Table* 12.2.5 **Jumlah Wisatawan Yang Berkunjung Ke Kabupaten Kepulauan Selayar dirinci Menurut Objek Wisata, 2018**
Number of Tourist Visits by Tourism Object in Kepulauan Selayar Regency, 2018

Bulan *Month*	Pantai Barat Baloiya	Pantai Timur	Benteng	Lainnya
(1)	(2)	(3)	(4)	(4)
Januari / *January*	76	65	-	150
Februari / *February*	13	250	-	285
Maret / *March*	64	-	-	596
April / *April*	25	5	-	845
Mei / *May*	29	-	-	2 010
Juni / *June*	418	400	400	754
Juli / *July*	142	111	111	578
Agustus / *August*	99	85	85	693
September / *September*	263	60	60	1 174
Oktober / *October*	181	55	55	371
November / *November*	14	-	459	518
Desember / *December*	85	-	-	343
Jumlah/ *Total*	**1 409**	**1 031**	**1 170**	**8 317**

Sumber : Dinas Kepariwisataan Kabupaten Kepulauan Selayar
Source : *Tourism Agency of Kepulauan Selayar Regency*

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