

TECHNOCENTRISM: USING SUSTAINABLE TOURISM CONCEPT TO SUSTAIN ENVIRONMENT, IMPROVING COMMUNITIES' LIFE QUALITIES, AND INCREASING ECONOMIC GROWTH ON PERAK'S DESTINATION. MALAYSIA.

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Abstract

Perak is one of the 13 states of Malaysia. It is the second largest state in Peninsular Malaysia. There are 136 destinations on Perak, but based on sustainable tourism concept, there are only less than 15 % destinations were sustained, and most of them were un-sustained. So, based on techno-centrism's philosophy, we try to develop new prospective sustainable tourism for the balance destinations. It not only could improve local economic growth, but also could improve the quality of destination's environment and strengthen the regional tourism institution in improving their performance on serving local communities. Furthermore, to fulfill the aim of the research by using techno-centrism's philosophy, and content analysis to tabulate the research which was conducted for 3 months, we tried to develop new prospective destination by finding the way out how to improve the amount of destination down Perak areas.

Keywords: techno-centrism; sustainable tourism; Perak; and Malaysia.

INTRODUCTION

Perak State Government considered making a firm decision to be restructured around agriculture, manufacturing, construction, trade and commerce. Emphasis has also been given to fishing, forestry, cottage industries and tourism. On one hand, today Perak has developed the best of its circumstances. The economy is growing through the industrial sector; its sound infrastructure and world class facilities of make it an ideal environment for businesses. On other hand, there are some problem around the destination as: no knowledge of attraction, local people are friendly but no helpfull because lack of English, airport and hotel's information was scanty. Furthermore, Perak is not short of attractions, both natural and man-made. Neither does it lack the infrastructure. But there is no standardisation and we appear to have learnt little from past mistakes (Mochtar & Team, 2009).

LITERATURE RIVIEW

Technocentrism incorporates both an acceptance of market economy principles and the centrality of technology, planning and management, for the addressing of contemporary problems. Resource misuse in tourism development would provide a good example. Technocentrism is, However, for many, simply a non-Green position. It is further subdivided into two sub-groups: 'environmental managers' and 'cornucopians'. Environmental managers accept the goal of continued economic growth through resource exploitation (Harris., & Williams, 2002). Technocentrism incorporates both an acceptance of market economy principles and of the centrality of scientific thinking in order to address the problems of resource misuse (Stephen., & Connel, 2008). Economic growth is likely to be supported as it is considered to improve our ability to reduce the adverse impacts of economic activities such as tourism (Honey, 1999; Henry & Jackson, 1996), as explained by Bramwell et al (1996: 42) There are three basic vectors have been considered in measuring sustainability in a mass tourist destination: (1) environment; (2) social/economic; and (3) policy response (Page & Conell, 2008)

METHODOLOGY

The research started from July 2010 till December 2010 (6 months) in Perak with descriptive survey methodology to community, tour operator, and interrelated institutions (Berg, 1998.).

There is secondary and primary data are used for the research which was consisted of 2 groups: social culture respondents, and information about sustainable tourism potentials. Collected data was done by triangulation technique as: opened observation, structured interview, and secondary data (Marwick & Uniger, 1975). The located of research area is made by purposive and stratified sampling (Marimin, 2004). Besides, collective data are used triangulation technique, there is: observation, interview, and secondary data.

Furthermore, Participatory Action Research (PAR) and its variants are a strong body of theory and practice rooted in the social reform movements of the late 19th century and with many applications in the fields of international development, social psychology, industry, agriculture, and education. PAR is based on the principles of collective inquiry into problems, with and by those affected, and the actions that emerge from group reflection and better understanding (Chevalier and Buckles, 2006.). So, based on partially focus group discussion (Krueger et al., 2000) we get 75 respondents of Perak. The data was tabulated by content analysis (Cohen, 1960) which was through 6 steps produced Kappa's value.

DICUSSION

Based on sustainable development, we get 21 destinations which were sustainable tourism (Tabel 1). There are: Bukit Larut, Breathtaking Belum, Bukit Merah Laketown, Sungkai Wildlife Reserve, Gua Tempurung, Kellie's Castle, Kuala Gula Bird Sanctuary, Lata Iskandar, Lata Kinjang Waterfall, Lost World of Tambun, Masjid Ubudiah, Pangkor Island, Pasir Bogak Beach, Perak Tong, Sam Poh Tong, Tai Ping Lake Garden, Tai Ping Zoo, Teluk Batik Beach, Matang Mangrove Forest Reserve, Pangkor Laut (Pulau Pangkor), and Royal Belum State Park (Tasik Temenggor).

Furthermore. The top 9 of sustainable tourism in Perak (Tabel 1) are: Bukit Larut; Breathtaking Belum; Lata Iskandar; Pasir Bogak Beach; Pangkor Island; Kuala Gula Bird Sanctuary; Pangkor Laut; Lost World of Tambun; and Perak Tong.

Tabel 1. Sustainable tourism in Perak.

No	Destination	Social / Economic	Env	Policy	Sustainability
1	Bukit Larut	0.75	0.80	0.80	0.783
2	Breathtaking Belum	0.70	0.80	0.80	0.767
3	Bukit Merah Laketown	0.70	0.68	0.65	0.677
4	Sungkai Wildlife Reserve	0.62	0.68	0.63	0.643
5	Gua Tempurung	0.70	0.68	0.67	0.683
6	Kellie's Castle	0.70	0.68	0.65	0.677
7	Kuala Gula Bird Sanctuary	0.71	0.75	0.70	0.720
8	Lata Iskandar	0.80	0.78	0.70	0.760
9	Lata Kinjang waterfall	0.68	0.70	0.69	0.690
10	Lost World of Tambun	0.70	0.72	0.69	0.703
11	Masjid Ubudiah	0.72	0.65	0.63	0.667
12	Pangkor Island	0.75	0.73	0.70	0.727
13	Pasir Bogak Beach	0.76	0.73	0.70	0.730
14	Perak Tong	0.72	0.70	0.68	0.700
15	Sam Poh Tong	0.71	0.70	0.63	0.680
16	Taiping Lake Garden	0.65	0.67	0.62	0.647
17	Taiping Zoo	0.71	0.69	0.65	0.683
18	Teluk Batik Beach	0.70	0.69	0.63	0.673
19	Matang Mangrove Forest Reserve	0.67	0.68	0.65	0.667
20	Pangkor Laut (Pulau Pangkor)	0.79	0.71	0.65	0.717
21	Royal Belum State Park (Tasik Temenggor)	0.75	0.71	0.63	0.697

There are also 17 % reserved sustainable tourism in Perak which were lacked of social/economic factor (Tabel. 2): Chung Thye Pin Building; Darul Ridzuan Museum; Durtch Fort; Ipoh Town Building; Kuala Woh Recreational Park; Pasir Salak Historical; Sultan Azlan Shah Gallery; Perak Museum; Sungai Bill; The Lembah Belum Recreational Centre; National Stud Farm; Sungai Klah Hot Spring; Nur Lembah Lenggong; Gua Angin; Japanese Garden; Kandu Cave; Keris Memorial; Krian District Mangrove Swamp; Lata Kekabu; Perak River; Perak Royal Museum; Puteri Dewi Beach; Ngah Ibrahim; and Kek Lok Tong.

Moreover, from 23 destinations, there are 7 destinations which were still sustainable tourism but on the critical conditions (Tabel. 2) and could be improved by using technocentrism's concept, there are: Kek Lok Tong; Sungai Klah Hot Spring; Japanese Garden; Ipoh Town Hall Building; Chung Thye Pin Building; Sungai Bill, and Pasir Salak Historical.

Tabel 2. List of sustainable tourism in Perak which were lacked of social/economic factor.

No	Destination	Social / Economic	Env	Policy	Sustainability
1	Chung Thye Pin Building	0.58	0.61	0.63	0.607
2	Darul Ridzuan Museum	0.56	0.63	0.60	0.597
3	Dutch Fort	0.58	0.62	.060	0.600
4	Ipoh Town Hall Building	0.56	0.64	0.63	0.610
5	Kuala Woh Recreational Park	0.56	0.63	0.60	0.597
6	Pasir Salak Historical	0.58	0.63	0.60	0.603
7	Sultan Azlan Shah Gallery	0.56	0.61	0.62	0.597
7	Perak Museum	0.57	0.56	0.60	0.577
8	Sungai Bill	0.56	0.69	0.60	0.617
9	The Lembah Belum Recreational Centre	0.59	0.60	0.60	0.597
10	National Stud Farm	0.58	0.60	0.60	0.593
11	Sungai Klah Hot Spring	0.56	0.68	0.60	0.613
12	Nur Lembah Lenggong	0.50	0.62	0.60	0.573
13	Gua Angin	0.43	0.68	0.58	0.563
14	Japanese Garden	0.54	0.68	0.61	0.610
15	Kandu Cave	0.56	0.62	0.59	0.590
16	Keris Memorial	0.52	0.60	0.59	0.570
17	Krian District Mangrove Swamp (Pulau Kalumpang)	0.51	0.68	0.60	0.597
18	Lata Kekabu (Kekabu Waterfalls) district of Lenggong	0.50	0.68	0.60	0.593
19	Perak River (Kuala Kangsar)	0.55	0.61	0.60	0.587
20	Perak Royal Museum (Kuala Kangsar Interchange)	0.55	0.63	0.60	0.593
21	Puteri Dewi Beach (Ipoh-Lumut Expressway)	0.48	0.60	0.60	0.560
22	Ngah Ibrahim	0.55	0.60	0.60	0.583
23	Kek Lok Tong (5km south of Ipoh City)	0.56	0.67	0.62	0.617

While, from 6 destinations in Perak, there are 5 critical destinations (Dramatist's Hostels; Orang Asli Villages; Handicraft Development Corporation of Malaysia; Temenggor Lake; and Mount Batu Puteh) which were lacked of policy (Tabel. 3). Therefore, by using technocentrism's concept they could be improved.

Tabel 3. Lack of Tourism's Policy in Perak destinations

No	Destination	Social / Economic	Env	Policy	Sustainability
1	Dramatist's Hostels	0.62	0.60	0.59	0.603
2	Orang Asli Villages	0.60	0.63	0.58	0.603
3	Handicraft Development Corporation of Malaysia	0.63	0.61	0.57	0.603
4	Kuala Sepetang (Port Weld)	0.60	0.60	0.56	0.587
5	Temenggor Lake	0.60	0.62	0.59	0.603
6	Mount Batu Puteh (Kuala Woh - Tapah)	0.61	0.63	0.57	0.603

Tabel 4. Lack of Environment in Perak destinations

No	Destination	Social / Economic	Env	Policy	Sustainability
1	Ipoh Railway Station	0.60	0.59	0.60	0.597
2	Lumut	0.70	0.59	0.60	0.630

Moreover, there are 2 destinations of Perak (Tabel 4) which were lacked of environment (Lumut; and Ipoh Railway Station). But Lumut destination on the critical sustainable. Both of them could be improved their performance by using technocentrism's concept.

Tabel 5. Un-sustainable tourism in Perak destinations

No	Destination	Social / Economic	Env	Policy	Sustainability
1	Eu Tong Sen	0.55	0.59	0.58	0.573
2	F.M.S. Bar & Restaurant	0.48	0.51	0.50	0.497
3	Foong Seong Villa	0.50	0.52	0.50	0.507
4	Geological museum	0.61	0.58	0.59	0.593
5	Gopeng	0.48	0.52	0.58	0.527
6	Gopeng Homestay	0.50	0.51	0.58	0.530
7	Han Chin Pet Soo	0.50	0.53	0.58	0.537
8	Ipoh City	0.53	0.57	0.56	0.553
9	Jan Shahib's Office	0.50	0.58	0.51	0.530
10	Jaya Villas	0.51	0.53	0.50	0.513
11	Kin Kwok Daily News Building	0.49	0.57	0.56	0.540
12	King George V Silver Jubilee Rotary Home	0.50	0.51	0.50	0.503
13	Kinta Fire Brigade	0.55	0.54	0.57	0.553
14	Mikasa Photo Shop	0.48	0.51	0.50	0.497
15	Pa Lo Ku Miao	0.55	0.52	0.58	0.550
16	Panglima Lane	0.42	0.45	0.40	0.423
17	Pavillion Square Tower	0.48	0.54	0.53	0.517
18	Perak Hydro Building	0.56	0.55	0.59	0.567
19	Raban Lake	0.56	0.60	0.58	0.580
20	St. Michael's Institution	0.56	0.59	0.55	0.567
21	Taiping Government Offices	0.59	0.61	0.58	0.593
22	Tambun Hot Spring	0.55	0.52	0.56	0.543
23	Teluk Intan Learning Tower	0.50	0.58	0.60	0.560
24	Central Police Station	0.50	0.56	0.55	0.537
25	The Chartered Bank Building	0.53	0.55	0.57	0.550
26	The Church of St. John's Devine	0.56	0.58	0.53	0.557
27	Times of Malaya Building	0.51	0.53	0.55	0.530
28	Pasir Bogak Beach (South West of Pangkor Island)	0.57	0.54	0.58	0.563
29	Yat Loo Club and Perak Chinese Mining Association	0.51	0.50	0.53	0.513
30	D R Seenivasagam	0.56	0.58	0.57	0.570
31	Gua Tambun	0.48	0.59	0.58	0.550
32	Hong Kong and Shanghai Banking Corporation	0.59	0.55	0.58	0.573
33	Kinta School of Commerce	0.51	0.53	0.55	0.530
34	Lam Look Ing Bazaar	0.51	0.54	0.55	0.533
35	Ling Seng Tong	0.52	0.51	0.55	0.527
36	Malay College Kuala Kangsar	0.59	0.60	0.60	0.597
37	Malay House Kampung Jawa	0.43	0.41	0.45	0.430
38	River Terrapin Breeding Centre	0.49	0.59	0.60	0.560
39	Royal Ipoh Club & Padang	0.57	0.60	0.59	0.587
40	State Medical & Health Office	0.51	0.55	0.58	0.547
41	Teluk Intan Boatyards	0.49	0.59	0.58	0.553
42	British resident's residence	0.52	0.55	0.58	0.550
43	Sri Pathirakaliaman Temple (Sungai Pinang Kechil)	0.45	0.56	0.57	0.527
44	Foo Lin Kong Temple (Sungai Pinang Besar)	0.47	0.59	0.55	0.537
45	The Banjaran (Tambun)	0.51	0.59	0.58	0.560
46	The Lenggong Archaeological Museum (Kuala Kangsar)	0.48	0.55	0.56	0.530
47	Kinta Riverfront Park	0.52	0.56	0.55	0.543
48	Gunung Tapis HS Pahang	0.53	0.58	0.57	0.560
49	Bagan Datoh Homestay – Kampong experience	0.51	0.57	0.55	0.543
50	Banding - manmade island (Temenggor Lake)	0.54	0.57	0.58	0.563
51	Bersia Grazing Reserve (beside Perak River)	0.48	0.65	0.50	0.543
52	Bukit Gantang Farm (Ipoh)	0.46	0.58	0.51	0.517
53	Bukit Gantang Homestay	0.51	0.53	0.50	0.513
54	Buntong Waterfalls (Ipoh – Lumut)	0.45	0.58	0.49	0.507
55	Cheroh Cave- Hindu temples in the caves (Ipoh)	0.49	0.56	0.52	0.523
56	Sungai Klah Hot Spring Water	0.50	0.54	0.53	0.523
57	Infoternak Farm (Sungai Siput - Ipoh)	0.53	0.57	0.58	0.560
58	Kampar River (Gopeng)	0.56	0.61	0.57	0.580
59	Kenas Waterfall (Kuala Kangsar)	0.55	0.59	0.56	0.567

60	Kuala Gula Fisherman Homestay (birdwatching - Perak)	0.51	0.57	0.55	0.543
61	Mariwasa Handicraft Centre	0.53	0.49	0.51	0.510
62	Meru Valley Golf & Country Club (27-hole course)	0.55	0.57	0.59	0.570
63	Mount Bubu (Kuala Kangsar)	0.56	0.58	0.56	0.567
64	Mount Bintang (Hulu Perak)	0.51	0.53	0.57	0.537
65	Mount Chabang (Simpang Pulai)	0.48	0.51	0.55	0.513
66	Mount Chamah (Kampung Rantau)	0.47	0.49	0.51	0.490
67	Mount Inas (Lawin)	0.48	0.50	0.52	0.500
68	Mount Kenderong (Kampung Pahat)	0.45	0.48	0.50	0.477
69	Mount Korbu (Ipoh)	0.57	0.60	0.59	0.587
70	Mount Liang Timur and Barat (Tanjung Malim)	0.51	0.56	0.50	0.523
71	Mount Ulu Sepat (Kampung Rantau)	0.53	0.59	0.54	0.553
72	Mount Yong Yap (Sungai Siput)	0.55	0.59	0.58	0.573
73	Night Safari (Taiping)	0.61	0.58	0.57	0.587
74	Orang Utan Island (Bukit Merah)	0.46	0.52	0.53	0.503
75	Pangkor Batu Bersurat (Ipoh)	0.56	0.55	0.51	0.540
76	Perak Chinese Amateur Dramatic Association (1903 - Ipoh)	0.51	0.54	0.56	0.537
77	Puncak Cave, the biggest & longest cave in Gunung Lanno	0.48	0.56	0.55	0.530
78	Selama Homestay (Bukit Merah Laketown)	0.50	0.58	0.55	0.543
79	Singor River (Temenggur Lake-Grik)	0.45	0.60	0.59	0.547
80	Sultan Azlan Shah Gallery (Bukit Chandan)	0.46	0.58	0.55	0.530
81	Sungai Klah Homestay (Sungkai)	0.51	0.59	0.56	0.553
82	Taiping Golf & Country Club - The 18-holes, 6,408 metres course (Taiping)	0.50	0.58	0.53	0.537
83	Taman Herba (Batu)	0.48	0.51	0.50	0.497

There are 10 of 83 destinations in Perak (Tabel 5) which were indicated unsustainable tourism, but they could be improved to be sustainable tourism by using technocentrism's concept which were increased each factor of sustainable tourism as: social/economic; environment; and policy factors. They are: Malay College Kuala Kangsar; Taiping Government Offices; Ling Seng Tong; Taiping Government Offices; Night Safari; Raban Lake; Mount Yong Yap; Mount Korbu; Mount Yong Yap; and D R Seenivasagam.

Tabel 6. Global destination in Perak

No	Destination	Social / Economic	Env	Policy	Sustainability
1	Bukit Larut	0.75	0.80	0.80	0.783
2	Breathtaking Belum	0.70	0.80	0.80	0.767
3	Bukit Merah Laketown	0.70	0.68	0.65	0.677
4	Chung Thye Pin Building	0.58	0.61	0.63	0.607
5	Darul Ridzuan Museum	0.56	0.63	0.60	0.597
6	Sungkai Wildlife Reserve	0.62	0.68	0.63	0.643
7	Sultan Azlan Shah Gallery	0.56	0.61	0.62	0.597
8	Dramatist's Hostels	0.62	0.60	0.59	0.603
9	Dutch Fort	0.58	0.62	0.60	0.600
10	Eu Tong Sen	0.55	0.59	0.58	0.573
11	F.M.S. Bar & Restaurant	0.48	0.51	0.50	0.497
12	Foong Seong Villa	0.50	0.52	0.50	0.507
13	Geological museum	0.61	0.58	0.59	0.593
14	Gopeng	0.48	0.52	0.58	0.527
15	Gopeng Homestay	0.50	0.51	0.50	0.530
16	Gua Tempurung	0.70	0.68	0.67	0.683
17	Han Chin Pet Soo	0.50	0.53	0.58	0.537
18	Ipoh City	0.53	0.57	0.56	0.553
19	Ipoh Railway Station	0.60	0.59	0.60	0.597
20	Ipoh Town Hall Building	0.56	0.64	0.63	0.610
21	Jan Shahib's Office	0.50	0.58	0.51	0.530
22	Jaya Villas	0.51	0.53	0.50	0.513
23	Kellie's Castle	0.70	0.68	0.65	0.677
24	Kin Kwok Daily News Building	0.49	0.57	0.56	0.540
25	King George V Silver Jubilee Rotary Home	0.50	0.51	0.50	0.503
26	Kinta Fire Brigade	0.55	0.54	0.57	0.553
27	Kuala Gula Bird Sanctuary	0.71	0.75	0.70	0.720
28	Kuala Woh Recreational Park	0.56	0.63	0.60	0.597

29	Lata Iskandar	0.80	0.78	0.70	0.760
30	Lata Kinjang waterfall	0.68	0.70	0.69	0.690
31	Lost World of Tambun	0.70	0.72	0.69	0.703
32	Lumut	0.70	0.59	0.60	0.630
33	Masjid Ubudiah	0.72	0.65	0.63	0.667
34	Mikasa Photo Shop	0.48	0.51	0.50	0.497
35	Ngah Ibrahim	0.55	0.60	0.60	0.583
36	Orang Asli Villages	0.60	0.63	0.58	0.603
37	Pa Lo Ku Miau	0.55	0.52	0.58	0.550
38	Pangkor Island	0.75	0.73	0.70	0.727
39	Panglima Lane	0.42	0.45	0.40	0.423
40	Pasir Bogak Beach	0.76	0.73	0.70	0.730
41	Pasir Salak Historical	0.58	0.63	0.60	0.603
42	Pavillion Square Tower	0.48	0.54	0.53	0.517
43	Perak Hydro Building	0.56	0.55	0.59	0.567
44	Perak Museum	0.57	0.56	0.60	0.577
45	Perak Tong	0.72	0.70	0.68	0.700
46	Raban Lake	0.56	0.60	0.58	0.580
47	Sam Poh Tong	0.71	0.70	0.63	0.680
48	St. Michael's Institution	0.56	0.59	0.55	0.567
49	Sungai Bill	0.56	0.69	0.60	0.617
50	Taiping Government Offices	0.59	0.61	0.58	0.593
51	Taiping Lake Garden	0.65	0.67	0.62	0.647
52	Taiping Zoo	0.71	0.69	0.65	0.683
53	Tambun Hot Spring	0.55	0.52	0.56	0.543
54	Teluk Batik Beach	0.70	0.69	0.63	0.673
55	Teluk Intan Learning Tower	0.50	0.58	0.60	0.560
56	Central Police Station	0.50	0.56	0.55	0.537
57	The Chartered Bank Building	0.53	0.55	0.57	0.550
58	The Church of St. John's Devine	0.56	0.58	0.53	0.557
59	Times of Malaya Building	0.51	0.53	0.55	0.530
60	Pasir Bogak Beach (South West of Pangkor Island)	0.57	0.54	0.58	0.563
61	Yat Loo Club and Perak Chinese Mining Association	0.51	0.50	0.53	0.513
62	D R Seenivasagam	0.56	0.58	0.57	0.570
63	Gua Tambun	0.48	0.59	0.58	0.550
64	Handicraft Development Corporation of Malaysia	0.63	0.61	0.57	0.603
65	Hong Kong and Shanghai Banking Corporation	0.59	0.55	0.58	0.573
66	Kinta School of Commerce	0.51	0.53	0.55	0.530
67	Kuala Sepetang (Port Weld)	0.60	0.60	0.56	0.587
68	Lam Look Ing Bazaar	0.51	0.54	0.55	0.533
69	The Lembah Belum Recreational Centre	0.59	0.60	0.60	0.597
70	Ling Seng Tong	0.52	0.51	0.55	0.527
71	Malay College Kuala Kangsar	0.59	0.60	0.60	0.597
72	Malay House Kampung Jawa	0.43	0.41	0.45	0.430
73	Matang Mangrove Forest Reserve	0.67	0.68	0.65	0.667
74	National Stud Farm	0.58	0.60	0.60	0.593
75	River Terrapin Breeding Centre	0.49	0.59	0.60	0.560
76	Royal Ipoh Club & Padang	0.57	0.60	0.59	0.587
77	State Medical & Health Office	0.51	0.55	0.58	0.547
78	Sungai Klah Hot Spring	0.56	0.68	0.60	0.613
79	Teluk Intan Boatyards	0.49	0.59	0.58	0.553
80	Nur Lembah Lenggong	0.50	0.62	0.60	0.573
81	Temenggor Lake	0.60	0.62	0.59	0.603
82	British resident's residence	0.52	0.55	0.58	0.550
83	Gua Angin	0.43	0.68	0.58	0.563
84	Japanese Garden	0.54	0.68	0.61	0.610
85	Kandu Cave	0.56	0.62	0.59	0.590
86	Keris Memorial	0.52	0.60	0.59	0.570
87	Krian District Mangrove Swamp (Pulau Kalumpang)	0.51	0.68	0.60	0.597
88	Lata Kekabu (Kekabu Waterfalls) district of Lenggong	0.50	0.68	0.60	0.593
89	Perak River (Kuala Kangsar)	0.55	0.61	0.60	0.587
90	Perak Royal Museum (Kuala Kangsar Interchange)	0.55	0.63	0.60	0.593
91	Puteri Dewi Beach (Ipoh-Lumut Expressway)	0.48	0.60	0.60	0.560

92	Sri Pathirakaliaman Temple (Sungai Pinang Kechil)	0.45	0.56	0.57	0.527
93	Foo Lin Kong Temple (Sungai Pinang Besar)	0.47	0.59	0.55	0.537
94	The Banjaran (Tambun)	0.51	0.59	0.58	0.560
95	The Lenggong Archaeological Museum (K. Kangsar)	0.48	0.55	0.56	0.530
96	Kek Lok Tong (5km south of Ipoh City)	0.56	0.67	0.62	0.617
97	Kinta Riverfront Park	0.52	0.56	0.55	0.543
98	Gunung Tapis HS Pahang	0.53	0.58	0.57	0.560
99	Bagan Datoh Homestay – Kampong experience	0.51	0.57	0.55	0.543
100	Banding - manmade island (Temenggor Lake)	0.54	0.57	0.58	0.563
101	Bersia Grazing Reserve (beside Perak River)	0.48	0.65	0.50	0.543
102	Bukit Gantang Farm (Ipoh)	0.46	0.58	0.51	0.517
103	Bukit Gantang Homestay	0.51	0.53	0.50	0.513
104	Buntong Waterfalls (Ipoh – Lumut)	0.45	0.58	0.49	0.507
105	Cheroh Cave- Hindu temples in the caves (Ipoh)	0.49	0.56	0.52	0.523
106	Sungai Klah Hot Spring Water	0.50	0.54	0.53	0.523
107	Infoternak Farm (Sungai Siput - Ipoh)	0.53	0.57	0.58	0.560
108	Kampar River (Gopeng)	0.56	0.61	0.57	0.580
109	Kenas Waterfall (Kuala Kangsar)	0.55	0.59	0.56	0.567
110	Kuala Gula Fisherman Homestay (birdwatching Perak)	0.51	0.57	0.55	0.543
111	Mariwasa Handicraft Centre	0.53	0.49	0.51	0.510
112	Meru Valley Golf & Country Club (27-hole course)	0.55	0.57	0.59	0.570
113	Mount Batu Puteh (Kuala Woh - Tapah)	0.61	0.63	0.57	0.603
114	Mount Bubu (Kuala Kangsar)	0.56	0.58	0.56	0.567
115	Mount Bintang (Hulu Perak)	0.51	0.53	0.57	0.537
116	Mount Chabang (Simpang Pulai)	0.48	0.51	0.55	0.513
117	Mount Chamah (Kampung Rantau)	0.47	0.49	0.51	0.490
118	Mount Inas (Lawin)	0.48	0.50	0.52	0.500
119	Mount Kenderong (Kampung Pahat)	0.45	0.48	0.50	0.477
120	Mount Korbu (Ipoh)	0.57	0.60	0.59	0.587
121	Mount Liang Timur and Barat (Tanjung Malim)	0.51	0.56	0.50	0.523
122	Mount Ulu Sepat (Kampung Rantau)	0.53	0.59	0.54	0.553
123	Mount Yong Yap (Sungai Siput)	0.55	0.59	0.58	0.573
124	Night Safari (Taiping)	0.61	0.58	0.57	0.587
125	Orang Utan Island (Bukit Merah)	0.46	0.52	0.53	0.503
126	Pangkor Batu Bersurat (Ipoh)	0.56	0.55	0.51	0.540
127	Pangkor Laut (Pulau Pangkor)	0.79	0.71	0.65	0.717
128	Perak Chinese Amateur Dramatic Association (1903- Ipoh)	0.51	0.54	0.56	0.537
129	Puncak Cave, the biggest & longest cave in Gunung Lanno	0.48	0.56	0.55	0.530
130	Royal Belum State Park (Tasik Temenggor)	0.75	0.71	0.63	0.697
131	Selama Homestay (Bukit Merah Laketown)	0.50	0.58	0.55	0.543
132	Singor River (Temenggur Lake-Grik)	0.45	0.60	0.59	0.547
133	Sultan Azlan Shah Gallery (Bukit Chandan)	0.46	0.58	0.55	0.530
134	Sungai Klah Homestay (Sungkai)	0.51	0.59	0.56	0.553
135	Taiping Golf & Country Club - The 18-hole, 6,408 metres course (Taiping)	0.50	0.58	0.53	0.537
136	Taman Herba (Batu)	0.48	0.51	0.50	0.497
	Sustainable Tourism Average Factors	0.557	0.595	0.580	0.577

At least, based on sustainable tourism concept, we founded that the average environment destinations in Perak (Tabel 6) were almost sustainable tourism (0.580) and in average, all destinations in Perak almost sustainable tourism (0.577).

SOLUTION

Averagely, all destinations in Perak almost sustainable tourism (0.577). The critical point were lacked of social/economic and followed by policy. While the performance of the environment destination averagely were critical sustainable tourism (0.595). Regarding sustainable tourism concept, from 136 destinations in Perak indicated only 21 destinations (15%) were sustainable tourism. Furthermore, we get top 9 of 21 sustainable tourism destinations, there are: Bukit Larut; Breathtaking Belum; Lata Iskandar; Pasir Bogak Beach; Pangkor Island; Kuala Gula Bird Sanctuary; Pangkor Laut; Lost World of Tambun; and Perak Tong. The balance destination (85 %) did not sustainable tourism, but a part of them could be improve by implemented technocentrism:

Firstly, 23 destinations (17 %) which were lacked of social/economic factor. Secondly, 6 destinations (4%) which were lacked of policy factor. Thirdly, 2 destinations (1 %) which were lacked of environmental factor. Furthermore, by using technocentrism and based on sustainable tourism concept, the global Perak tourism performance could be increased from 15 % to 37 % which could improved communities' life qualities and increasing local economic on Perak's destinations.

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