

## CHAPTER 4

### ANALYSIS

On this chapter, the writer would like to show to any readers about what power both USA and China possessed to fight the war based on *Ghost fleet* Novel. This is important for the reader to know who is better with offensive movement and which one is better with defensive movement by using Sun Tzu's method on Art of War and the developers. After that, the researcher put the tactics used by both side in order to attack and survive the war and it's based on Sun Tzu's *Art of War*.

#### 4.1 THE FORCES OF USA AND DIRECTORATE (CHINA) BASED ON SUN TZU ART OF WAR.

The battlefield cannot be won without a precise number of forces. Both USA and Directorate have different number of forces to win the war. By using Sun Tzu's *Art of War*, the researcher conclude the forces of both USA and China by using The Six Constant Forces of Art of War. When the nations participated at war, they are going to apply many strategies which can be used to win the war as quickly as they can, because once you go to war, the nation will stop building an inner circle in order to fight the war on front. To fight the battle, a nation must put 6 constant powers of art of war. As it stated by Lionel Giles in Art of War, "there are 6 constant points that governed the army, these are: *the moral law, heaven, earth, the commander, method, discipline and energy.*"(2001:1). These six points will be shown in order to differentiate whether their power is better or worse.

These six points has non-literally meaning in dictionary. In order to separate misunderstanding of the six constant points, the researcher breakdowns the meaning of these six constant points. Start from *moral law*. As it is stated by Lionel Giles, “The Moral Law causes the people to be in complete accord with their ruler, so that they will follow him regardless of their lives, undismayed by any danger” (2000,1). The moral law itself acts as the norm in military which is applied to any soldiers under general’s command. The moral law also stated by Giles in Art of War as the causes of soldier to follow their ruler without any doubt for their ruler’s decision (2001,2).

The necessity of moral law is to put an example and drive the army to any direction without soldier opposing general’s plan. It is important for general to master moral law since the army cannot be deceive from general’s order and those who stand as the valiant and benevolence in army deserve to command army.

Second is Heaven which is almost misinterpret by the reader as a place where every beauty and pleasure given by God for those who deserve. Heaven is a gift send from the sky to change the weather or time (Giles,2001:1). It is a natural aspect of war that happens naturally within the wartime and it is effective for general to see opportunity in war by using heaven as the key to win the war. As the researcher of war strategy, heaven is useful to know which side achieved opportunities from weather time which is very lethal to be missed by any general to fought war (Giles, 2001:2). Now it’s clear for the reader that heaven is a gift from above which is come as weather, night and day, also it is an opportunity for general to use it as a weapon to strike the enemy.

Third is Earth which is the meaning of any activities conducted by soldier from general’s order. Earth, upon arguably referred but the researcher may state it as activity execute on ground.

Giles stated that Earth comprises distances, great and small; danger and security; open ground and narrow passes; the chances of life and death (2001:2). Earth is a condition whether the general puts any movement within the battlefield to deals with the measurement of general's surrounding such as how far is enemy's camp, which road is accessible and save for soldier to deliver supply. All the measurement must perfect for the general to win the war. Understanding and knowing the contour of earth it's like finding the back alley of enemy's camp. For the general who knows the detail of enemy's base will find the weaknesses of their enemy. This is the basic operation of every armies in all over the world which USA and Directorate China have differences in basic military operations due to the needs of forces in both countries.

Fourth is the commander which is the head of army. It is stated by Giles "The Commander stands for the virtues of wisdom, sincerely, benevolence, courage and strictness" (2001:2). The commander is a symbol of an army to strike the enemy by using tactic and opportunity. A brave and Nobel general always lives inside their soldier's heart and always be followed by his army, unless the general is cruel and discipline their army will be drown in terror by following the generals and sadly act under their commander's command. The military method and discipline also depends on how the commander is. US army is well known for their European Style in Combat which is similar to England's military method (Mcintyre,2017:2).

The Directorate China has different method to US have due to historical background. As it stated by Singer, The old-communist party has failed leading China in global manufacture war and revolution happened once again in China (Singer, 2015: 49). With the fallen of Communism in China is not the end of totalitarian model in military. During the conversation of General Wang and his escort on their way to Directorate headquarter, they were talking about who is got to be the next in line to get executed by the leaders of Directorate China (Singer,2015: 27). The

execution of commanders is well-known in totalitarian countries which embark communism, socialism and chauvinism as their ideology (Shirk,2018:3). The Totalitarian is the ideology emerging similar to mix of chauvinism and Communism (Shirk, 2018:3). The totalitarian model still use by China nowadays with the full power of one dictator in every aspects in government including military aspect. Totalitarian use by China is consider as the U turn in China History because the first leader of Communist China Mao Tse Tung used to be a dictator ruled China in long term and with the decrease of economy and military control all over the world, Xi Jin Ping risen as the new totalitarian leader in China to save China from destruction with Chauvinism and dictatorship to clean the inside of China government (Shirk,2018:4). It is also use by Directorate China in *Ghost fleet* where the government took the totalitarian model by cleaning the rest of Communist Party members after the failure caused by Xi Jin Ping (Singer, 2015:78). The same pattern can be seen during the conversation of General Wang and his aide about who is going to executed by the leader due to incompetent in military program (Singer,2015:27) with the anti-corruption campaign led by Xi Jinping in China by executing 1.34 million government official to cleanse the government from corruption in 2012 (BBC,2017). This campaign caused the decrease of corruption in China since 2012 until now. So basically, the Directorate China still embark the totalitarian model in their army due to the effectiveness in controlling the forces and the commander's command is the first main point for the soldiers to obey and it cannot refused by the soldiers. With the totalitarian model, the soldiers are fit as blood thirst soldier because they feel afraid of their country and if they don't follow the rules, it will cause death to them. Which between US or China have the strongest commanders? It will be answer in the next sub-chapter.

Fifth is Method and Discipline which is derived from the dictionary as a way to improvise and executing plant. As it stated by Giles "By method and discipline are to be understood the

marshaling of the army in its proper subdivisions, the graduations of rank among the officers, the maintenance of roads by which supplies may reach the army, and the control of military expenditure.” (2001:2). This point is showing how the way of controlling situation and threat soldier properly and why it’s necessary it is because without method and discipline, moral law cannot be achieved by the general and victory is impossible for general to achieved.

The last is Energy which is about controlling the forces, weapons for the attack. As a military combat require more than fatigue and resources, timing in giving command and knowing when launching attack and retreat. During the war, US ARMY and Directorate ARMY performed high altitude maintained of energy. As it stated by Sun Tzu in Art of War “controlling energy is like shooting a crossbow, to kill an instant kill you must know how to operate your crossbow, calculating the wind and perfect timing (Giles: 2001, 17)”. The energy itself divided into 3 which are 1 the ability in commanding the troops, 2 using advantages and overcome the advantages, 3 is maneuver of the attack. Each of these energy can be used in indirect and direct attack. Both indirect and direct are the key to use energy in striking enemy. The direct attack is a basic standard attack to launch a battle in war whereas the indirect attack is a trump card for every general in gaining victory (Giles, 2001:15). In order to launch the attack by using those energies, the great general must maintain the energy.

Start from USA, this country has a balance in six forces of art of war. These five constant powers will be the most important key for USA to win the war.

#### **4.1.1 USA FORCES**

#### **4.1.1.1 EARTH**

The war between USA and Directorate China mainly took place on Hawaii and some of the battlefield fought at space and digital world. Hawaii Island is located at Northeast America which is dominated with tropic jungle. It is suitable for jungle warfare or guerilla warfare due to surrounding condition. US headquarter called Pearl Harbor is located on Oahu island which is became the gate of sea warfare.in pacific ocean. Hawaii Island is an advantage point for USA because it is a territory belonged to USA that makes the US ARMY know every terrain in this island.

As it stated by Kenedy, Pearl Harbor held an important role for Pacific Theater where it is a gate for US Navy to launch an attack to Japan (2018:2). The important role of Pearl Harbor is necessary for US because it hold the power on East which consists of massive bed of sea. “US Navy decided to enlarge their NAVY power on east to repel Japanese attack. By holding the keyrole of Pacific role in Midway and Pearl Harbor, US should realise the incoming attack on 1941. (Kennedy,2018:2). Pearl Harbor and Midway Island are the eyes of Pacific Theater and by that, US can see the enemy’s movement within the farthest reach of communication and lookout. What it feels to lost Pearl Harbor is a deep dark fear to all of us (Kennedy,2018:3). Pearl Harbor is the main gate to pacific and it is important for US to see the condition of Pacific wondering if the enemy is lurking and be ready for the attack. The US Army have suffered loss in Pearl Harbor that made them to retreat in the jungle and unused shipyard. This is the way how to set the camp as it stated by Giles “sometimes, to attack the enemy the commander should retreat from the battle and start to rethink the strategy” (2001:20). By retreating from the battlefield, US army has a better tactic and force by analyzing the previous war between Directorate China. In result, US Army found that their technology has been rigged by Chinese microchip resulting the disorientation of

their military mechanism (Singer,2015:137). The US army then changed their technology with less modern technology but saver than the latest one knowing that their military technology has been breached by cyber-attack (Singer,2015:137). The foot soldier also embark the change after the loss of Pearl Harbor. Conan the leader of foot soldier then choose to ran away into Oahu Mountain after Directorate attack in Pearl Harbor (Singer,2015:135). Conan knew that Oahu mountain is the highest point on Hawaii island and none of Directorate army knew the way into the mountain due to the extreme condition of the mountain (Singer,2015:140). However, Directorate Army many times catch the foot soldier by using the drones and foot soldier (Singer,2015:186). Even the foot soldier almost got catch by Directorate Army, These are the suitable tactic for US army. By using the surroundings, US Army has escape Directorate and rethink their strategy. The cyber war also included in this sub-chapter. The war between US and China is consider as the full-scale war where every forces have been used by both USA and Directorate China one of it is Cyber war. With the help of Anonymous the secret society or secret organization who works in the dark to serve the light by using cyber-attack (Singer,2015:288). With the help of Anonymous, US can move freely from Directorate cyber army and win the war by destroying Directorate base in Hawaii. Anonymous then proofed to know the system rather than Directorate Cyber Army. It is because the Directorate suffered the same condition like US in the first attack of Pearl Harbor. This is the proof that US is far more better in knowing the enemy position because the unexpected help from the third party such as Anonymous and Sir Aeric Cavendish in exposing the weaknesses of Directorate army by knowing their position and searching the path to destroy the enemy base.

#### **4.1.1.2 THE MORAL LAW**

As it stated by Sun Tzu, moral law is a condition whether the relation between the army and their commander is good or bad in determining the obedience of their army (Giles,2001:4). When the US army got a surprise attack, most of their men flee from the battlefield after the Pearl Harbor attack that made them isolated from their HQ and made them move by their own intuition to fight the war. This will cause the dispersion and the soldiers must act as their own.

It is stated by Singer, after the Zumwalt warship lost its captain from the directorate sudden attack, Simmon emerged as the replacement of Riley who was fallen due to enemy attack. Simmon took command of Zumwalt and without hesitation the crew response his orders in order to flee from the battlefield (2015,113). It is different from Sir Aeric Cavendish who faced a lot of trouble from his crew in Space campaign which he wasn't allowed by the crew to enter The Tiangong but ended up crushing the enemy and enter tiangong.

From this points, US Army has a semi democratic military system in moral law which is the leader has act by looking at the condition of the army. Also the military got an issue because one of the commander is not from the military. The US Army issue caused by the millionaire scientist Sir Aeric Cavendish wanted to help US army with several terms and condition which is the full control of space traffic and the real copy of sea testament hold by US NAVAL Army to control the Sea in 1880 (Singer,2015:137). This caused the phenomena where Sir Aeric Cavendish declared supremacy of sea and space and US citizen were angry due to the declaration of supremacy will cause harm in economy because Cavendish can caused monopoly in economy (Singer,2015:315). By looking at this point, The moral law of US also embark liberalism where everyone have the opportunity to control Economy system This is why Sir Aeric Cavendish is



different from another commanders because he doesn't have patriotism in his interest in war. So, US army has the democratic and Liberal moral law.

#### **4.1.1.3 HEAVEN**

Heaven means the time, condition based on God's will. The battle with Directorate mainly fought during daylight. However, the guerilla warfare, insurgent activity most likely to be done at night. As it stated by Singer "She emerged just beyond his reach, her naked chest gleaming in the moonlight. Then she dove again, the flash of white revealing she was no longer wearing her bikini bottom either" (2015, 121). In that part, she is refer to one of the insurgent of USA who plans an assassination on several target from directorate. On the guerilla warfare, "Conan pressed her cheek deeper into the wet mud beneath the hapuu ferns. A moment ago she' thought she heard the buzz of a small rotary-powered drone. Yes, there it was. The sound ebbed and flowed in the damp air. She curled her knees into her chest and pressed them tighter, hoping the wool blanket would shield her from the thermal sensors" (Singer,2015:207). The guerilla warfare is led by Conan who is happened to be the survivor from Pearl Harbor attack.

The US insurgent and Guerilla warfare use the night to strike the enemy and shelter themselves from the enemy. As it stated by Giles "he who knows when to fight and not shall emerge to victory" (2001:24). The use of the night is very useful for US especially for camouflaje.

#### **4.1.1.4 COMMANDER**

US ARMY is divided into 3 commanders. Number 1 is Captain Simmon who fought at pacific opera, 2 is Sir Aeric Cavendish millionaire scientist who turns out to be the space pirate to hijacked Tiangong spacecraft, the last is Conan the commander of guerilla warfare. These commanders hold an important role of winning the war in land and sea theater. The cooperation between the 3 campaign is a result of US lost in Pearl Harbor. The disseverance of the 3 campaign is not planted

from the beginning of the story which is become a necessary turn-back point for US suffering from Pearl Harbor. It is stated by Giles that once the army stuck in the middle of war and cannot escape the enemy, the best is to fight the war with everything the army have (2001:26).

USA don't have a chance but to fight The Directorate army with everything left from the debris of war by using the old base called *Ghost Fleet* and using guerilla warfare to apprehend the enemy and steal their supply and spread terror inside their headquarter. After the retreat to *Ghost Fleet* and into the jungle, US Army start a plan by creating a dispersion in order to make the enemy believe they already won the battle by hiding to prepare the perfect time and gathering supplies to strike the enemy (Singer,2015:220). Knowing that their security and military system has been breached by Directorate digital army, USA create a big change in their headquarters.

Start from The Zumwalt warship, Captain Simmon and his troops realize that Zumwalt security and attack mechanical command not responded during the invasion of Pearl Harbor and the only way to escape is reboot the system and flee to *Ghost Fleet* base (Singer,2015:111). So Captain Simmon ordered his troop to change all the up to date system produced by Chinese with their own technology but with the older version and a turret gun with powerful attack (Singer, 2015:111). When Pentagon received an information about security hacked and communication breach in all over US, Sir Aeric Cavendish came and gave them an idea to win the war by release the system from cyber-attack and reclaim the cyber war by using the space ship and Cherenkov particle to hijack Tiangong spaceship and destroy China cyber-attack (Singer,2015:121). In another campaign, Conan led the insurgents into the forest and preparing the surprise attack by robbing the directorate supply army. the plant is to set the surprise attack and reclaim US bases in Hawaii. The insurgency of US army is divided into two division, first division led by Conan who focus on

jungle warfare second is led by Carrie Shin who works by herself in the Honolulu district (Singer, 2015: 120).

These commanders represent the power of US army which is the important part of moving the war machines. As it is stated by Giles, the weakness faces are the decoy to the enemy. searching for the opportunity while they are not notice is the art of war (Giles, 2001:25). All the commanders have suffer from the losses on Pearl Harbor. They lost resources and comrades which driven them to fall back from the battlefield. After hiding from the enemy and recharge their spirit and resources, the commanders went into all-out war by storming all the enemy bases start from the space campaign (Singer,2015:201) and continue by the rest of the campaigns. As the time passed, USA win the war and survive the apocalyptic scenes. This condition is similar with what Giles stated “opportunities lies even in the darkest realm” (Giles,2001:40). By looking at the opportunity, all the commanders from US have survive the war by using the structured attack, timing and observation

#### **4.1.1.5 METHOD AND DICIPLINE**

Method and discipline is a provision of the commander to attack and secure the field of war. US army has a basic military method and discipline which is possessed by numerous armies. However, it has an extraordinary point which can be the key to win the war. after the failure of protecting Pearl Harbor from Directorate’s attack, Zumwalt retreat from the battlefield heading into *Ghost Fleet* Base (Singer,2015:110) and the remaining soldiers felt to the jungle of Hawaii creating dispersion and salvage the enemy resource to fight the war with guerilla warfare (Singer,2015:220). Honolulu raise their weapon to help the resistance in the city and emerge victory (Singer,2015:250). The scientists and space army have made their success in conquering

Directorate spacecraft with the Cherenkov particle and free the whole US from cyber attack (Singer,2015:189).

These are the sign that US Army realize Directorate Army is stronger than them. However, it didn't stop US from vengeance. As it stated by Giles the army should appear weak in front of their enemy so they can open the opportunity for us to strike them (2001:30). The way US Army deal with Directorate army is something unbelievable. Whether the US army are tried to pull Directorate army to irritate them or just prepare for retaliation is not stated in *Ghost Fleet*. however, this is important for any other tacticians to not embrace pride early. As it stated by Singer, General Zu embrace pride for his successful attempt on Pearl Harbor attack (2015:125). In the end, he didn't realize that US still has a power to kick one more time and the result is Directorate army drowned into deteriorate condition and failed to protect Pearl Harbor from US Naval army (Singer,2015:289).

The US army may not embrace the totalitarian discipline army such as Directorate. US army has an ordinary military method which is use by many countries based on the national background. As it stated by Jim Mc Intyre the first president of US choose the European Military model which is equal in land and sea in order to repel the enemy's attack that is happened to be European Army such as British Army (2017:3). US Military is adopting European style which is focus on equality in land, sea and air. It is effective to repel the European army since it knows the structure of each army system and movement and indeed US is well known for the military power all over the world. But how they success in repelling Directorate's attack? The answer is they don't have anything to repel the enemy's attack except survival skill. It is stated by Giles that whenever an army cornered in every situation, it is the role of general to decide whether the army is fleeing or fighting till the end of the man. (2001:33). The Army has evolved in combat by changing their

method in fighting based on survival method as well-known used by Chinese military army during the civil war and world war 2. This must be done because the US didn't have a chance but to withdraw to the jungle and unused shipyard in Hawaii. the method used by US Army is based on Chinese military method known as guerilla warfare. Guerilla warfare is a method use to evading the stronger enemy by scattering the army in specific area and creating great devastation in enemy force (Gaoyue, Char, and 2018:24). The guerilla warfare usually used by the develop country due to their military resources and it is effective for the user because the enemy who does not know about the situation of battlefield devastated and crippled by the booby traps and surprise attack from the user of guerilla warfare. Maintaining resources and gathering is important for the user and usually the enemy's supply is the main goal to achieved in order to do so (Gaoyue,Char,2018:26). The US Army led by Conan used this method to strike the enemy from the jungle. After the loss in Pearl Harbor, Conan and her follower ran into Oahu Mountain seeking protection by using jungle and any weapon they found (Singer,2015:109). The first thing they did is gathering supplies from Directorate Supply convoy delivering the supply by using the jungle road in Oahu forest. Conan and her follower strike the enemy with sudden attack and took their supply to advance in further campaign in Oahu mountain evading the enemy's helicopters, drones and foot soldier resulting the death of Conan's follower during the night raid (Singer,2015:189) and full-scale war in Oahu mountain (Singer,2015:278). This method has similarity with Tsun Tzu's method in using the surrounding as weapon. As it stated by Giles, the one who knows their battlefield shall emerge victory and those who didn't will lost in the darkness (2001:3). Conan knows well the condition of Oahu Mountain and succeeded to evade Directorate's army. She proofed to be an example of survivalist of war by changing her method in war.

#### **4.1.1.6 USA ENERGY AND HOW TO MAINTAIN**

US Army have suffer the great loss during the surprise attack at Pearl Harbor by Directorate Army. On deteriorate condition, US Army using what left from the debris of war, the late technology from past, science and great tactic from great generals. Start from using the late technology. On the battle of Pearl Harbor, US Army lost many fleets and skillful soldier. What left are the late technology and the survivor of the attack. In order to create the battleship, US Army opened the old base of NAVY that closed during the cold war “He looked out at Mare Island Naval Shipyard. 15 Just past Suisun Bay, where the *Ghost Fleet* had been moored, it had opened in 1854 under Commander David Farragut. (Singer, 2015:93)”.

The base itself give the US Army advantage to replant strategy and creating the new battleship that can breach the enemy deception. Looking back at the previous attack, the US Army suffer not only from military attack but also hacker attack that separated the HQ from General Field. By opening the old base, US Army can evade the hacker attack because the brand new technology can't breach the old technology. It is stated by Singer the technology of Zumwalt is based on old technology blended with new one to evade hacker (2015:95). Maintaining Zumwalt battleship also cost much energy. By putting the turret gun, the battleship became very powerful yet causing the military to use more fuel as it stated by Singer “The rail gun requires the power equivalent of a small city. This ship was supposed to be designed with that in mind, but you know how they overpromised and underdelivered.”(2015:118). Space campaign got another story to tell. At first, USA lost many spaceship and satellite that held an important role in communication. However, they managed to evade the catastrophe by deploying the tourist space craft modified with Cherenkov radiation in order to repel Directorate army's attack in space (Singer, 2015:213). These kind of method is related to Sun Tzu's method in managing an army. As it stated in Art of

War “ to be able to execute direct and indirect attack, those who can survive the bruise of enemy attack and keep fighting” (Giles,2001:15). Within the survival of war there is a general who manage their emotion and stick to the plan and know no difference between large army and small army(Giles,2001:15). The outstanding action carried by Captain Riley for example. During Pearl Harbor attack, Zumwalt fleet was under Captain Riley’s command and he felt as a victim of war replaced by Simmon. Simmon knew that his position is important so he remain calm and raising his army morale, just like stated in novel “At that moment, Simmons realized that his first ship command would not be a long one. Of course the Directorate would leave nothing to chance. Some Type 93 sub was probably lurking at the entrance to sink any survivors who managed to make it out of Pearl Harbor. All he’d accomplished was to take the Coronado from one trap right into another. Simmons tried to stay calm.“Bring us back up to flank speed. If they want to get us, they’re going to have to race for it.” (Singer:2015, 69). The main point is, even amount energy is big, those who doesn’t calm himself will lose everything.

#### **4.1.2 DIRECTORATE ARMY FORCES**

##### **4.1.2.1 EARTH**

History record as a develop country then to use the guerilla warfare to win the war due to military resources and technology they have for example is China. As it stated by Tobias Burgers and Scott N Romaniuk Mao Tse Tsung mobilized the insurgencies throughout China in order to win the civil and world war 2 at the same time because the insurgents should move like a fish in a river by blending with the surrounding. That kind of war then called *People War* by Mao Tse Tsung (2017:2). Guerilla warfare then became the identity of China People Military because numerous victories has been achieved by Chinese Army. However the military program became

the most influential parts in China and its resources became more modernized and as the time goes by, China became adapted with different kind of war methods all over the world such as European Model embraced by USA (Romaniuk, Burgers, 2017:2). China became the greatest army power raising from the jungle into modernized warfare and it is called Hybrid Guerilla Warfare (Romaniuk, Burgers, and 2017:2). By knowing this, China is more capable than US because China has mastered guerilla warfare and modernized warfare which became the model of US military movement.

Based on knowing that the war is located in tropical jungle warfare, the directorate army relied on drone to secure the jungle warfare. The directorate also using hacking method to breach surveillance and maintain security aspect. As it stated by Singer "Hu had made her mark by hacking phones belonging to civilian employees in the Pentagon. Despite the restrictions on employees bringing devices into the building, a few did so every day. Her technique involved co-opting a phone's camera and other onboard sensors to remotely re-create the owner's physical and electronic environment" (2015:40). This technique proved to be an effective way to spy on the enemy's base. By knowing every places from the smartphone of the employee, China knows how to strike Pentagon bring down the security and surveillance system all over USA. From this point, the researcher concluded that Directorate Army is more skillful in military movement by breaching the security and military system of US Army. This has the same principle used by Sun Tzu in setting the camp, if the commander wanted victory, he must know where and how the enemy headquarter is (Giles,2001:34). With the successful attempt on breaching the US security and military system, Directorate China has the upper hand of



#### **4.1.2.2 THE MORAL LAW**

The directorate army apply the Sun Tzu's method in ruling their army. All the soldier must obey the commander that lead to a point they used a dictatorship style. As it stated by Singer "The newscasters called him "the new Sun-Tzu," the architect of the new victory who had been inspired by the wisdom of old. He knew it was not a true assessment of his place in history, merely a creation of the Information Ministry's algorithms and driven by what tested best with the public" (2015:214). This is the part of General Zu who led a victory over Pearl Harbor by using Sun Tzu Method. This is the proof of how China amazed by Sun Tzu and wanting to search the new one. "My reverence for Sun-Tzu is well-known and so I will close with a quote that shows the journey yet to come. 'To secure ourselves against defeat lies in our own hands, but the opportunity of defeating the enemy is provided by the enemy himself. (Singer, 2015:116). This part taken from Zu's closing of speech in people meeting of Directorate army and people of China. This is another proof that master Zu is using the Sun Tzu's Art of war to use it in his strategy and its proofed well in the war.

#### **4.1.2.3 COMMANDER**

The battlefield was divided into three places, first is land, second is space and the last is sea. At space the army was led by Colonel Huan, at sea it was led by general Wang and last is General Zu who took control of land. These commanders have different personalities that made their soldier crumbling except General Wang who followed the Sun Tzu's advice. What made the space and land crumbled was their commander's intention. General Zu who fueled by anger and revenge due to insurgent activities that lead to many deaths to his army, killed many innocents in school and church. The loss of space campaign was a result to Colonel Huan panic due to his attack was not effective against Sir Aeric Cavendish defense.

#### **4.1.2.4 METHOD AND DISCIPLINE**

The directorate army used a dictatorship style to rule the army. It's based on the piece from the novel "And what news of General Feng?" said Wang. "First, they took him to—" the aide began. "I do not need those details. Did they kill him yet?" said Wang. The aide nodded (Singer,2015:27). From this part, we can conclude that the directorate used the dictatorship style to rule the army. Just like what happened at North Korea, Kim Jong Un ruled the nation with dictatorship style and whoever act foolish will be executed. Dictatorship can bring benefit in army. As it stated in Art of War "the commander stands for benevolence, discipline, eminence of their army" (Giles, 2001:2). The dictatorship can make an army obey they commander and afraid to make a mistake. This can minimalize the mistake in war so the army can make a great victory in warfare. The method and discipline are the key in marshaling the entire army in striking the opponents and delivery the supply in combat (Giles, 2001:2).

#### **4.1.2.5 DIRECTORATE (CHINA) ENERGY AND HOW TO MAINTAIN**

The Directorate Army fornicate them self with highly technology far from the USA. In result, USA can't repel the Directorate attack and forced them to retreat. Start from the space resource, Directorate has outdated the US space progress by destroying their satellite (Singer, 2015:67). They manage to create a powerful hacking system that can breach the security system of PENTAGON and whole America throughout viglass (Singer,2015:77). Directorate also relied on robotic soldier which is a benefit for them because robot such as Drone can manage every land and it's much saver to find the insurgents inside the jungle (Singer,2015:52). In economic aspect, china has already conquered USA by selling the Viz glass product as a role key to access internet

system of USA (Singer,2015:115). Both military and technology are far greater than USA proven that the military system has been breached before Pearl Harbor Attack (Singer, 2015:36).

The essential of war are based on the resource (energy) they possessed. As it stated by Sun Tzu in Art of war, “there are numerous notes in music constructing a beautiful song, and there are plenty ingredients to cook a delicious soup” (Giles, 2001: 56). Both USA and Directorate China have their own ingredients to win the war. Although USA has less modern technology, they proofed them self as the great defender of their country because they mixed all the ingredients perfectly within a short time. As it stated by Sun Tzu about decision in war “a great general must calculate the war in defining the result of war (Tzu4).

#### **4.2 VARIATION IN STRATEGY**

As the time goes by, war pushed human to create more tactics to win the war. From the basic patterns of marching soldier in Waterloo to advance marching style in Middle East, history show us that human has evolve in setting everything in life one of them is war tactic. Tactic is needed to succeeded in war and the best tactic come from skillful general as it stated by Sun Tzu “ the general of war is important to constitute the vitality and fighting spirit of their army” (Giles,2001:2). It’s also important to put some variation in tactic because machinery and human intention also evolved and the faster they finish the war, the better the income coming. Imagine if human in 21<sup>st</sup> century still using war tactic in 19<sup>th</sup> century, that would be a disaster for the whole regiment.

As the great tactician, Sun Tzu provide us numerous way to end war efficiently and it’s modified by USA and Directorate China during the war in *Ghost Fleet*. The writer then divide both tactics from USA and Directorate China into simple points that consist of story from novel, however the writer simplified the story into several paragraphs to make the reader easy to

understand. The points are based on Sun Tzu's book Chapter 8 variation in Strategy which consist of strike the enemy, holding position, retaliation. These points also possessed sub points explaining how USA and Directorate China have different tactic because USA here is the one who happen to almost colonized by Directorate China. The purpose of modify the points from Chapter 8 Art of War is not intended to create a new model but to make it simple to be understood by the readers. This section is start from the attacker Directorate China and then it will continue into USA the one who almost colonized.

#### **4.2.1 DIRECTORATE CHINA STRATEGY**

History records that China has joined countless war in world campaign or regional campaign. Start from an empire state to communist government, we have witnessed the Chinese fought the war for the sake of their country. And by the time many Generals have modified tactics to win the war. in the novel, Directorate Army strike USA with three stages. First is isolating the enemy, second is surprise attack, third is colonization. These points are based on Sun Tzu's *Art of War* and it is described by the researcher below.

##### **4.2.1.1 ISOLATING THE ENEMY**

The principle of isolating the enemy is based on Sun Tzu's *Art of War* which is stated by Giles "The supreme art of war is to subdue the enemy without fighting." (2001:18). Before the war happened, Directorate China has launch their Taikonaouts in space to handle a space weapon called laser gun (Singer, 2015:6). The laser gun was designed to destroy USA space ships that held important role in communication between US army and HQ (Singer,2015:42). When the space ship has destroyed, the communication line of USA has been cut off. However, The Directorate

didn't stop from there. They were using hacker to breach security and communication line in whole USA and the main points are to separate the HQ (Pentagon) from NAVAL base in Pearl Harbor (Singer,2015:42). Knowing that they already breach the system, Directorate Army also can control surveillance on the street all over USA. as it stated by Singer, General Wang showed to the chairmen about the war progress in USA Campaign which they successfully breach the US security, communication, surveillance systems all over USA by placing microchip in Viz Glasses and phone in US citizens. As it stated by singer before the war happened, Japan and Directorate China made a deal in exchanging Kadena Airfield which is the US Air Force based near Japan with neutrality of Japan in Pearl Harbor war(2015,115). and how about US allies in Europe? After the attack on Pearl Harbor, Europe drowned into revolution that happened in UK. It is stated by Singer that UK had no longer been Great Britain due to the capital island revolt against the UK in demanding their freedom (2015,115). What made it worse for US is the dissolve of NATO that happened before the war. the main cause is yet discovered because Peter Warren Singer didn't write about the reason why NATO dissolved. Due to economic engagement between Australia and China, Australia remain silent from the stage of war. Australia fear that the attack can caused the invasion spread into Australia due to establishment of Directorate China NAVY base on Austro-Indo sea in the name of sea protection from Pirates attack in late Indonesia sea area (Singer:2015,116).

From the condition above, USA are completely isolated from world even their military HQ has been deteriorate due to hacker attack and communication has been disabled by Directorate. This tactic is the same as it created by Sun Tzu in Art of War to strike a powerful opponents, “the next best is to prevent the junction of the enemy's forces” (Giles, 2001:20). This means that by separating a regiment with other regiment can prevent the joining force that can break through the

attack and it's a lot easier to conquer one regiment than an army of strong soldier. Conquering Pearl Harbor also became an advantage for Directorate Army to control Pacific Ocean territory to exploit Mariana Trench and established military based from US NAVAL Base so the march on the sea and land can be merged into one strong attack. Isolated enemy will get confuse and deteriorated because they are not realize their surrounding is not a friendly area. To lay a finger in enemy, is to put fear and confusion to them. This kind of tactic has been displayed numerous battle such as Battle of Stalingrad during 1940. The Red Army had a great army and heavily fortified inside the city of Stalingrad. However the NAZY army has breached trough the city by Blitzkrieg tactic. Unfortunately heavy storm strike Stalingrad and it's the worst blizzard in Russia History. The opportunity seems appeared to Red Army. By using the blizzard to starve and isolate Nazi from HQ and supply depot, The Red Army then circled Stalingrad and strike Nazi to defeated (Luthe:2004,4). The isolation of enemy is one of basic movement in war where the general try to subdue the enemy movement. Directorate Army has proofed to score a victory by cornering US Army by cutting the line of US and Allies such as Japan and United Kingdom. As it stated by Giles by cutting the line of enemy's communication, supply and patrol is important while approaching enemy's camp (Giles, 2004:37). It is an important thing to isolate the enemy while approaching the enemy's camp to prevent retaliation from enemy's reinforcement. Reinforcement is the back up from another camp which is important for general whenever general dire in help. When the enemy cannot call the reinforcement, enemy cannot do anything except fight till the last men (Giles, 2001:39). It is a chance for Directorate army to strike USA while the nation is isolated by deactivation of security and communication line in USA. In result, The US Army has suffered loss in Pearl Harbor by surprise attack.

#### **4.2.1.2 SURPRISE ATTACK**

The forces of army can be a futile basic in attacking enemy if the elements are dull and rusted. To be able to catch and locked enemy movement, it needs more than just elements, it is speed and timing in helping a general to win the war. on *Ghost Fleet* novel, Directorate China used the same tactic from Japanese Imperial Army to take down Pearl Harbor. It is called surprised attack. The surprise attack was executed by launching a fraud messages on Philippine so the US army did not suspect Japanese in attacking Pearl Harbor. Even the radar on Pearl Harbor catch numerous movements of foreign submarine, destroyers, and large fleet, they didn't suspect them as a threat to USA due to diplomatic message delivered from Japanese Imperial Fleet. By the morning, Japanese used every power they carried and successfully deteriorate Pearl Harbor (Hanyok: 2009, 4). China used the same method but it is modified in order to put a sever attack in Pearl Harbor. Following the success of attacking US security system and destroy US communication line in space, Directorate China launched a massive attack on Pearl Harbor by using Air Strike and warship attack. Starting from Kadena Airfield near Japan territory and US territory to isolated the army and split them into two.

The next attack is on Pearl Harbor. US ARMY did not expect the attack and they were deteriorated and flee from the base. As it stated by Singer” Chaos broke out as sailors ran to the port side and tried to see where the diver was. Through the bridge’s open hatch, Simmons heard the shouts getting increasingly desperate due to enemy attack” (singer, 2015:42). This kind of condition will make an army broke apart and if the general can't control his army, the end shall awaits them in any minutes (Giles, 2001:10).

During the surprise attack, US Army lost a general named Rilley who controlled the NAVY during the attack on Pearl Harbor. This caused the morale of US Army depleted and weakened.

One of US Forces has fallen, this caused the deterioration of US Army and soldiers did not have the commander in a short time resulting the lost soldier who flee into jungle such as Conan and her follower. From this point, Directorate Army has succeeded in surprise attack by that Directorate Army can penetrate into US territory and secure the Pacific Ocean and Mariana Trench to extract the gas. This indicate that Directorate Army was used the Sun Tzu's Art of War by exceeding the advantages from winning Pearl Harbor.

As it stated by Giles, to capture the tiger, approach from many sides and corner the tiger then aim for the head (2001:7). US Army is known by its military technology. However, like a tiger losing it claws and teeth, after the cyber-attack, USA cannot used their military technology, left the USA like a cornered tiger.

With the successful attempt of surprise attack, the line of US territory in Hawaii lies open for Directorate army to launch colonization.

#### **4.2.1.3 COLONIZATION**

This point is based on Sun Tzu's *Art of War* in seizing multiple opportunities after the other is seized (Giles,2001:10). After the successful attack on Pearl Harbor, China established a permanent base in Pearl Harbor and across Hawaii Island. It is stated by Singer when China began the colonization

“Then he heard a piercing squeal, like something gouging the steel deck of the ship. Behind the last SUV, what looked like a telephone pole on its end gradually emerged and pointed down the ramp. Behind that pole was a massive green bulk that slowly nosed its way out to the top of the ramp and then tilted downward. Shit, that was a tank! Then another tank moved down the ramp, followed by an eight-wheeled vehicle that looked like a tank's little brother. (Singer,2015:51).



When the Directorate Army arrived in Honolulu, they start to attack the remaining US army by using drone. Some of the US army catch by the Directorate army and the town folk did not do anything knowing that their city has been conquered. It is stated by Sun Tzu's Art of War" the best tactic is to subdue the enemy without laying a sword towards them" (Giles, 2001:8). The fear the town folk felt from watching Directorate Army has sewed their moral in attacking the intruder. This is the big win that an army can subdue a city resistance without laying a hand on it. Directorate China proofed to be successful in terrorizing USA. It is because the main base such as Pearl Harbor and Security system all over USA has been taken by Directorate Army. Knowing that Directorate was in upper hand, they then choose to colonized US territory. Speed, agility and perfect timing then to be the key for Directorate China to beat USA by taking Pearl Harbor and security system in US territory. In addition, Directorate China used a structured strategy to bring down USA. However, Directorate China made a huge mistake by stopping on Hawaii Island. It is stated by Giles that the prolonged war is the false decision by stationed too long in occupied enemy's territory (2001:46).

With the colonization of Hawaii, there are two possibilities lead to bad and good expectation. First, by securing the Hawaii Directorate army held a superiority upon Pacific Ocean and the gate of USA territory if Directorat army decided to march on USA. Second, Directorate Army linger too long in Hawaii in order to secure the Mariana Trench in Pacific Ocean that leads into the exposition of Directorate weakness which is happen to be true in the novel. Sun Tzu never suggest his follower to stop in enemy's land too long because it will exposed the weaknesses of their own power and decrease the power by consuming time and resources. it is also too dangerous for Directorate army to stop in Hawaii Island because the insurgents, US Army and citizens of Hawaii know where they are set their camp and it is proven by the several attack by Insurgent

caused the dead of 6 military soldiers in one week (Singer,2015:165). Also, during the All-out attack of USA, the citizens of Hawaii are eager to help insurgents and US Army by protecting and distributing supplies to US (Singer, 2015:298). It is because the Citizens of Hawaii know well the condition of Directorate Army and the surrounding of Hawaii Island which is the key for them to secure victory for USA. once the general knows the condition of the enemy and where they settle camp, victory lies in front of general (Giles,2001:47). If only Directorate China expand their territory upon USA, victory would be possible for them.

#### **4.2.2 USA STRATEGY**

Failure does not mean that you must give up. USA has suffered enormous defeat by The Directorate Army in Pearl Harbor. Since the attack on Pearl Harbor by Japanese Imperial Army had succeeded, the nation became mourn again but must wake up from the realms of defeat. On this session the researcher divide the tactic in two sessions. First is retreat, re-plan, rebuild resource, second is retaliation which these points are based on Sun Tzu's *Art of War*.

##### **4.2.2.1 RETREAT, RE-PLAN, REBUILD**

This point is inspired by two quotations from Sun Tzu about how to march on enemy. First is "never engage an enemy more powerful than you. And if it is unavoidable and you do have to engage, then make sure you engage it on your terms, not on your enemy's terms." (Giles,2001:30) and second is "The good fighters of old first put themselves beyond the possibility of defeat, and then waited for an opportunity of defeating the enemy." (Giles,2001:31). After the defeat on Pearl Harbor, the rest of US Army have flee everywhere across the island. The HQ then re-plan the strategy to reclaim Pearl Harbor from the hand of Directorate Army. After knowing that the satellites have been destroyed and all the system all over USA have been hacked, HQ plant to escape from the hand of Directorate Army's Cyber-war protocol. First they planned to take over

the Directorate space fleet called Tiangong which hold a role in controlling space traffic. After that HQ send their army into old NAVAL base far from Pearl Harbor called *Ghost Fleet* that is built on 1887 after the civil war. during the rebuild phase, US ARMY had put a weapon that can deal with Directorate fleet and their base by a long range. They took away chip inside the Zumwalt fleet in order to evade the hacker's attack. All the soldiers inside the fleet are prohibited for using their smartphone to evade the hacker's attack. These are the point to make the Zumwalt invisible for retaliation. As it stated by Sun Tzu in *Art of War* "attack where the enemy does not expect you while he is unprepared for your existence" (Giles, 2001:4). This point from Sun Tzu is effective against the heavy fortified enemy base by setting them into disorder and take them within a short time.

The resistance on land also re-plan their strategy to took down Directorate Army. Lead by Lt. Connan, the resistance are moving through the jungle and steal the supply from Directorate convoy. The plan is to gather enough supply and take down US base in Aloha island. If we look up on Sun Tzu's five constant of war, the best way to take down an enemy is using the surrounding or it's called Earth. By using the jungle, the resistance can attack Directorate army before they knew that they were being hunted. This tactic also can put a regiment separated and exhausted them because Directorate Army did not know how the situation of the jungle. It is the same tactic used by many military resistance all over the world especially Indonesia. General Sudirman is well known for the guerilla warfare and he is consider as the great tactician on guerilla warfare. The destruction is massive from outside and inside, not only materially because it uses sabotage and earth, but also, it causes psychological, political and social damage (McElhatton: 2008, 6).

#### **4.2.2.2 RETALIATION**

Retaliation came from Sun Tzu's *Art of War* about how to terrorize the enemy while they are settled in one place and dismantle their power is the aim of this action (Giles,2001:56). As the nation rise again from the realm of darkness, those who seek the path of justice shall prevail. US Army has suffer from the previous attack by Directorate Army and they demand justice to take down and reclaim Pearl Harbor from the hand of intruder. On this point, retaliation divided into 3 campaign by the writer. First is land campaign, second is sea campaign, third is space campaign. Each of the campaign peeled with Sun Tzu method of war.

##### **4.2.2.2.1 LAND CAMPAIGN**

The land campaign was led by Lt. Connan who was participated in Pearl Harbor war and flee to the jungle after it was taken. The reason why Connan and her soldiers flee to the jungle is to prevent enemy attack and attack them while they don't suspect Connan and her soldiers. This method is stated in Sun Tzu's *Art of War* page 4 said "when the enemy is in upper hand don't compromise and if the enemy is in lower hand, appear as they don't suspect you. The method Connan carried was successful. The army and her took over the Directorate supply truck near Oahu and managed to survive and strike Honolulu Directorate Base there (Singer: 2015, 130). However the attack on Oahu Base was failed and again they retreat to the jungle. in the jungle Connan and her army covered them self with the surrounding of nature to evade drone and patrol. Connan knew that her army can't face the Directorate Army with deteriorate condition so all they did was running (Singer:2015,169). After Zumwalt Fleet deployed from Ghost Fleet base, HQ sent NSA to aid the resistance in land. The result is Pearl Harbor are successfully taken but it cost all her soldier's and NSA's life even the Zummwalt attacked the base with turret gun that specially prepared for the long-range attack (Singer:2015,270).

#### 4.2.2.2.2 SEA CAMPAIGN

Pacific Ocean is the second war opera in *Ghost Fleet* novel where the massive weapon called Zumwalt Fleet face the terror of Directorate Army. After the attack of Pearl Harbor, there were not so much left in there. There was only one fleet called Zumwalt that survived the attack and flee into the old base called Ghost Fleet. the sea campaign was aimed to take over Pearl Harbor from the hand of Directorate Army with surprise attack and long-range attack. By attacking on two front, at land and sea, this is the major hit that caused the Directorate Army disoriented from their rank. As it stated by Sun Tzu “ divide the army into two and make them realize you appear as one army on front but the rest is on the other side waiting to strike them from behind and circled the enemy” (Giles,2001:50). The Zumwalt fleet act as the decoy to ensure Directorate Army to focus on the shore. When the whole Directorate Army strike the shore with Jet-Fighters, drone, artillery and battleships, the Land Soldier get the chance to strike the base on Honolulu and able to finish their job(Singer,2015:215). In the sea campaign scenario, Zumwalt didn't act alone on sea. It was guarded with jet-fighter, submarine, drones, and small warships (Singer, 2015:217). This is the finest example of Sun Tzu Art of War where the regular army is use to approach the enemy, special army is use to catch the enemy (Giles,2001:30).

#### 4.2.2.2.3 SPACE CAMPAIGN

The space campaign was lead by the scientist millionaire name Sir Aeric Cavendish. The battle of space is aimed to seize and stop Tiangong Spaceship from ruining the space shuttle traffic in space and stop the Cyber-attack via satellite (Singer, 2015:297). Comprehending the Tiangong is a difficult mission carried by US army. in fact, space are describe as Earth in Sun Tzu's Art of

War. Both USA and China have the latest technology in space campaign, describe with the approach of Tiangong into US Satellite with this conversation taken from the novel.

“Colonel Huan: this space ship has been established from 2003 and it is surpassed the American spaceship because the laser gun can blow their spaceship.

Major Chang: indeed, we have the upper hand here by shooting their military and domestic satellite.” (Singer, 2015: 32).

The space campaign led by Sir Aeric Cavendish knew how to prevent Tiangong laser attack with the Cherenkov particle covered the whole US spaceship (Singer, 2015:320). Knowing that Directorate Commander Huan desperately shot a laser beam into US Spaceship, he realize something was wrong with US spaceship and causing the morale decrease in Tiangong crew. This method has the same method used by Sun Tzu in winning the war. as it stated by Giles “ know your enemy weaknesses and protect yourself from the enemy exposing your own weaknesses” (Giles,2001:45).Sir Aeric Cavendish knew that the particle caused by Tiangong laser beam was reluctant to Cherenkov Particle and then it used as the shield to deflect Tiangong’s attack. Within an hour, Tiangong was seized by US Spaceship.

By seizing Tiangong, America got the upper hand in war. Tiangong is provide the resource for Directorate army need in knowing the Earth contour and launch Cyber-attack via satellite. If the line of supply cut down, the army would decapitated in second for loosing so much energy (Giles, 2001:45). The victory of Space Campaign is a great effort done by US Army since it was prisoned by Directorate Cyber-Attack. By exposing enemy weakness and further research of US Military Forces, US army free from Cyber-attack.

#### **4.2.2.3 RELATIONSHIP BETWEEN THREE CAMPAIGNS**

All these three campaign is a representation of Sun Tzu's tactic to annihilate enemy by using direct and indirect combat as it stated by Sun Tzu, thus the enemy may have fortified them, but within their fortification there is a hole and that's how we lay our hand without swinging a single sword (Giles,2001:17). The direct combat was executed by land and sea campaign while the indirect combat was executed by space campaign. By subdue the enemy's movement and eyes, we can appear as they can't expect us to attack them(Giles,2001:10), and within the equality between two armies all is prepare for war but if the enemy appear stronger, evade them (Giles,2001:9). The Directorate Army pinned down by the condition they've been hacked by USA and suddenly they appear in land and sea where they never expect this situation. Within hours, The Directorate Army defeated.

